

Food container (NS)

A-DO Global Co., Ltd.

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *46*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>20 ppm (ug/ml)</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

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Synthesis Method

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Use of Nanotechnology

Concentration information: "Our Nano-silver colloid liquid for each container has 20 ppm(ug/ml), that is for example in 1cc portion from 1 ppm has a 25,000 billionth silver particles included and our each food container of Nano-silver(NS) get a 500,000 billionth silver particles included/ divided.... Each pure-silver colloid liquid & pure-silver master batch contains 27.7mg/kg."

A-DO Global Co., Ltd., "Nano-Silver(NS)," <http://www.adox.info/?doc=ns.php> (accessed January 23, 2008).

Recommended Uses

Food storage.

Antimicrobial Claims

"Nano-Technology is the real core-technology in the 21st century that makes a pure-silver colloid liquid reduce into 1 billionth with the atomic particles physics to get at 99.9% anti-bacterial effect."

A-DO Global Co., Ltd., "Nano-Silver(NS)," <http://www.adox.info/?doc=ns.php> (accessed January 23, 2008).

Product Testing Information

Results of research conducted by FITI Testing and research institutes. There are two figures, one is shown below, the other is in the company file in the database.

Company web site: *www.adox.info*

Company country: *South Korea*

Product web site: *<http://www.adox.info/?doc=shop/list>.*

Nano Silver Cutting Board

A-DO Global Co., Ltd.

Category: *Food and Beverage*
Subcategory: *Cooking*

Number of associated products: 3
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

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Synthesis Method

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Use of Nanotechnology

A silver colliod which gets turned into a "master batch" is coated on the cutting board.

Recommended Uses

A cutting board for home use.

Antimicrobial Claims

*"Used pure-silver with nano-technology for all surfaces of the food container, which brings the antibacterial, antibiotic effect by Nano-silver."
A-DO Global Co., Ltd., "Nano-Silver(NS)," <http://www.adox.info/?doc=ns.php> (accessed January 23, 2008).*

Product Testing Information

Results of research conducted by FITI Testing and research institutes. There are two figures, they are in the company file in the database.

Company web site: *www.adox.info*

Company country: *South Korea*

Product web site: *<http://www.adox.info/?doc=shop/item>.*

Fabric Softener IRIN

Aekyung

Category: *Home and Garden*
Subcategory: *Cleaning*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

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Synthesis Method

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Use of Nanotechnology

"*Iris(Antibacterial for skin) : Nano Silver and TCN ingredient prevent sensitive skin from harmful bacteria and materials. Used for baby clothes and underwear.*"
Aekyung, "Fabric Softner IRIN," http://www.aekyung.co.kr/eng/product/laundry_IRIN.html (June 12, 2007).

Recommended Uses

Fabric Softener for baby clothes and unerwear.

Antimicrobial Claims

"*Nano Silver and TCN ingredient prevent sensitive skin from harmful bacteria and materials.*"
Aekyung, "Fabric Softner IRIN," http://www.aekyung.co.kr/eng/product/laundry_IRIN.html (June 12, 2007).

Product Testing Information

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Company web site: *www.aekyung.co.kr*

Product web site: *http://www.aekyung.co.kr/eng/product/laundry_IRIN.*

Company country: *South Korea*

100% cotton sheet sets

AgActive

Category: *Home and Garden*
Subcategory: *Bedding / Pillows*

Number of associated products: *1*
This product uses: *SilverSure*

Product Info

Type/ Form <i>Powder</i>	Particle Size <i>25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>life of product</i>	

Notes

Structure of Particle and/or Substrate

It appears to be nano silver dust / powder.

Synthesis Method

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Use of Nanotechnology

"[O]ur patent pending process binds the silver like a dye to the cloth. "

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"AgActive socks ship with at least a hundred times more silver in them than they actually need to work. "

AgActive, "How to get the most out of your socks," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Recommended Uses

Home bedding and sheets.

Antimicrobial Claims

"Our sheets have been proven to kill over 99% of bacteria including MRSA (see our test results)." (retrieved 06.11.2007) test results found in AgActive folder

AgActive, "100% cotton sheet sets," http://www.agactive.co.uk/index.cfm/fuseaction/product.display/Product_ID/8/.htm (accessed June 11, 2007).

Product Testing Information

Testing is from MONASH University, Micromon Dept. of Microbiology, Faculty of Medicine, Nursing and Health Sciences (document found in company folder in Database).

"The testing was performed according to the EMPA standard method SNV 195 920-1994 for bacteria. The protocols were used in accordance with this standard, with the testing being performed in triplicate."

Monash University Department of Microbiology, "monash_test_results.jpg," http://www.agactive.co.uk/images/docs/monash_test_results.jpg (accessed June 11, 2007).

Company web site: *www.agactive.co.uk*

Company country: *United Kingdom*

Product web site: *<http://www.agactive.co.uk/index>.*

Bath and sports towels

AgActive

Category: *Health and Fitness*
Subcategory: *Sporting Goods*

Number of associated products: *1*
This product uses: *SilverSure*

Product Info

Type/ Form <i>Powder</i>	Particle Size <i>25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>life of product</i>	

Notes

Structure of Particle and/or Substrate

It appears to be nano silver dust / powder.

Synthesis Method

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Use of Nanotechnology

"[O]ur patent pending process binds the silver like a dye to the cloth. "

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"AgActive socks ship with at least a hundred times more silver in them than they actually need to work. "

AgActive, "How to get the most out of your socks," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Recommended Uses

Gym and bath towels.

Antimicrobial Claims

"Our bath towels stay bacteria and odour free no matter how long between washes."

AgActive, "Bath and sports towels," http://www.agactive.co.uk/index.cfm/fuseaction/product.display/Product_ID/7/.htm (accessed June 11, 2007).

Product Testing Information

"All our products have undergone extensive laboratory tests to international standards, confirming their effectiveness against bacteria such as Staphylococcus aureus, Bacillus megaterium, Bacillus subtilis, Escherichia coli, Pseudomonas fluorescens and Methicillin-resistant Staphylococcus Aureus (MRSA). In all cases the results show that greater than 99.9% of all bacteria are destroyed within 24 hours."

AgActive, "What testing has been carried out to prove the antibacterial effectiveness?," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Company web site: *www.agactive.co.uk*

Company country: *United Kingdom*

Product web site: *<http://www.agactive.co.uk/index>.*

SilverSure

AgActive

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Powder</i>	Particle Size <i>25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>life of product</i>	

Notes

Structure of Particle and/or Substrate

It appears to be nano silver dust / powder.

Synthesis Method

-

Use of Nanotechnology

"[O]ur patent pending process binds the silver like a dye to the cloth. "

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"AgActive socks ship with at least a hundred times more silver in them than they actually need to work. "

AgActive, "How to get the most out of your socks," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Recommended Uses

Socks, towels and sheet sets.

Antimicrobial Claims

"SilverSure uses state of the art Silver Nano Technology that gives our products anti-bacterial and anti-fungal protection against everything from foot odour to Athlete's foot."

AgActive, "About AgActive," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"SilverSure, the technology applied to our socks is based on silver, which is naturally anti microbial so it kills the bacteria that causes foot odour (it doesn't just hide it). Silver is also anti fungal (so it kills the fungus that causes athlete's foot)"

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"Our antibacterial socks are 100% guaranteed to kill bacteria and control foot odor."

AgActive, "Will they work?," <http://www.agactive.co.uk/> (accessed January 15, 2008).

Product Testing Information

"All our products have undergone extensive laboratory tests to international standards, confirming their effectiveness against bacteria such as Staphylococcus aureus, Bacillus megaterium, Bacillus subtilis, Escherichia coli, Pseudomonas fluorescens and Methicillin-resistant Staphylococcus Aureus (MRSA). In all cases the results show that greater than 99.9% of all bacteria are destroyed within 24 hours."

AgActive, "What testing has been carried out to prove the antibacterial effectiveness?," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Company web site: *www.agactive.co.uk*

Company country: *United Kingdom*

Product web site: *<http://www.agactive.co.uk/>*

Socks

AgActive

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: 5
This product uses: *SilverSure*

Product Info

Type/ Form <i>Powder</i>	Particle Size <i>25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>life of product</i>	

Notes

Structure of Particle and/or Substrate

It appears to be nano silver dust / powder.

Synthesis Method

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Use of Nanotechnology

"[O]ur patent pending process binds the silver like a dye to the cloth. "

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"AgActive socks ship with at least a hundred times more silver in them than they actually need to work. This silver 'dust' is invisible but extremely effective at disinfecting shoes of bacteria and fungi. When you first wash the socks, the silver levels will drop to normal. Don't miss out on the opportunity to take advantage of the extra dust they are shipped with: wear the socks in every pair of problem shoes you own before you first wash the socks. The extra dust will drop out and clean the inside of your shoes. Remember: you can wear AgActive socks in a new pair of shoes every day and they won't become smelly. You don't need to wash them unless they pick up visible dirt." (retrieved 09.10.2007)

AgActive, "How to get the most out of your socks," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Recommended Uses

socks

Antimicrobial Claims

"SilverSure uses state of the art Silver Nano Technology that gives our products anti-bacterial and anti-fungal protection against everything from foot odour to Athlete's foot."

AgActive, "About AgActive," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"SilverSure, the technology applied to our socks is based on silver, which is naturally anti microbial so it kills the bacteria that causes foot odour (it doesn't just hide it). Silver is also anti fungal (so it kills the fungus that causes athlete's foot)"

AgActive, "About our technology," <http://www.agactive.co.uk/> (accessed June 11, 2007).

"Our antibacterial socks are 100% guaranteed to kill bacteria and control foot odor."

AgActive, "Will they work?," <http://www.agactive.co.uk/> (accessed January 15, 2008).

Product Testing Information

"All our products have undergone extensive laboratory tests to international standards, confirming their effectiveness against bacteria such as Staphylococcus aureus, Bacillus megaterium, Bacillus subtilis, Escherichia coli, Pseudomonas fluorescens and Methicillin-resistant Staphylococcus Aureus (MRSA). In all cases the results show that greater than 99.9% of all bacteria are destroyed within 24 hours."

AgActive, "What testing has been carried out to prove the antibacterial effectiveness?," <http://www.agactive.co.uk/> (accessed June 11, 2007).

Company web site: *www.agactive.co.uk*

Company country: *United Kingdom*

Product web site: *<http://www.agactive.co.uk/index>.*

Germ Slayer

Aluwe, LLC

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>0.65 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>20 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

The silver is a minimum 99.99% pure and other minerals.

"Extremely tiny. The size of 2 atoms."

Aluwe, LLC, "Products," <http://www.aluwe.com/products.html#germslayer> (accessed July 9, 2007).

Synthesis Method

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Use of Nanotechnology

Colloidal silver is combined with other minerals to form a solution.

Recommended Uses

As a mineral supplement

"At the first sign of infection (sore throat, fever, headache, stomach pain, etc) begin taking 1 tablespoon of Germ slayer every 4-6 hours till the pain has been gone for 1 full cycle"

Aluwe, LLC, "Products," <http://www.aluwe.com/products.html#germslayer> (accessed July 9, 2007).

Antimicrobial Claims

"Kills virus and bacteria—none have been shown to survive in contact with true high quality silver.... Germ Slayer kills only single cell organisms. The body is composed of multi-cell entities, therefore it only kills those things which do not belong in your body.

Extremely tiny. The size of 2 atoms. Literally penetrates everything in the body to find and kill bacteria, virus and fungus.... Aluwe has taken Germ Slayer to Africa with great success in the battle with malaria and TB"

Aluwe, LLC, "Products," <http://www.aluwe.com/products.html#germslayer> (accessed July 9, 2007).

Product Testing Information

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Company web site: *www.aluwe.com*

Product web site: *<http://www.aluwe.com/products.html#germslayer>*

Company country: *USA*

ASAP

American Biotech Labs

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: 2
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>10 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>10 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>2 yrs</i>	

Notes

Structure of Particle and/or Substrate

It is composed of colloidal silver and high purity water.

Synthesis Method

Described in detail in the US Patent 7,135,195.

Use of Nanotechnology

A colloidal silver in which, "[t]he unique structure/composition of the products, inherently results from the already patented manufacturing process." American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAP.html> (accessed July 18, 2007).

Recommended Uses

"The potential applications of this technology are vast and far reaching into many markets worldwide. ABL's product lines currently include dietary supplements and Government approved hospital and home disinfectants." American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAP.html> (accessed July 18, 2007).

Antimicrobial Claims

"Most work by chemical action, meaning that they have to have direct contact with microbes to have any positive effect. American Biotech Labs (ABL) has engineered a new technology. This new technology kills bacteria by catalytic action, not by chemical action. Because of this technology, ABL can get kill rates on bacteria and other pathogens that other silver products cannot match" American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAP.html> (accessed July 18, 2007).

Product Testing Information

"Tests have been directed by one of the leading materials science laboratory in the world at the Pennsylvania State University, under the personal direction of Professor Rustum Roy, who is regarded as one of the top materials scientists in the world. Testing was also performed by distinguished scientists at Arizona State University (and other locations), all of which have been under the direction of Professor Roy..."

Over 50 studies have been completed to date. Work completed thus far includes seven safety studies, antibiotic comparison studies, antibiotic additive studies, thousands of bacterial tests, numerous tests against virus including some flu virus, and numerous studies against other pathogens like yeast and black mold. Testing also includes four studies with one of the American Biotech Labs' supplement products against the malaria protozoa, and independent human studies from four hospitals in Africa.

The results of the majority of these independent studies have not been released to the public; however, some of the data has been released to certain groups, as well as in a congressional testimony (April 2005). Some test work has also been released in other countries where the foreign government allows citizens to obtain positive information on the non-drug-related products they wish to utilize. "

American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAP.html> (accessed July 18, 2007).

Company web site: www.americanbiotechlabs.com

Company country: *USA*

Product web site: <http://www.americanbiotechlabs.com/ASAP.html>

ASAP Health Max 30

American Biotech Labs

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>10 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>30 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

It is composed of colloidal silver and high purity water.

Synthesis Method

Described in detail in the US Patent 7,135,195.

Use of Nanotechnology

It is a colloidal silver in which, "[t]he unique structure/composition of the products, inherently results from the already patented manufacturing process." American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPhealthMax30.html> (accessed July 18, 2007).

Recommended Uses

To be used as a supplement.

Antimicrobial Claims

"William D. Moeller Chairman of Clifton and President of American Biotech Labs (ABL) was invited to testify before the Congressional House International Relations Committee, Subcommittee on Africa, Global Human Rights, and International operations. Mr. Moeller testified concerning the ability (according to three completed human studies) of ABL products to help patients recover from malaria in an average of just 5 days."

American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPhealthMax30.html> (accessed July 18, 2007).

Product Testing Information

"• Proven Immune Support

• Found Effective in 4 Independent Human Studies

• Backed by Science

• Independent University Studies (safety/effectivity)

American Biotech Labs is pleased to announce that the company has recently filed a new patent application containing new and exciting data and results. Laboratory work from several U.S.-based institutions has verified that American Biotech Labs' silver products possess some very unique and important physical properties which appear to be quite different from other commercially available colloidal silvers. Further, significant new uses and product modifications have also been discovered and included in the patent filing....

This unique structure/composition of American Biotech Labs' silver products results in different efficacy when compared to other silver products. Tests have been directed by one of the leading materials science laboratories in the world at Pennsylvania State University, under the personal direction of Professor Rustum Roy, who is regarded as one of the top materials scientists in the world. Testing was also performed by distinguished scientists at Arizona State University and the University of Arizona, all of which have been under the direction of Professor Roy. This work may help explain why American Biotech Las' products are so much more effective at very low concentration levels of silver, when compared to other silver products, some of which contain hundreds-of-times higher concentrations of silver."

American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPhealthMax30.html> (accessed July 18, 2007).

Company web site: www.americanbiotechlabs.com

Company country: USA

Product web site: <http://www.americanbiotechlabs.com>.

ASAP Solution Plus

American Biotech Labs

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>10 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>22 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>2 yrs</i>	

Notes

Structure of Particle and/or Substrate

It is composed of colloidal silver and high purity water.

Synthesis Method

Described in detail in the US Patent 7,135,195.

Use of Nanotechnology

"It is a colloidal silver in which, "[t]he unique structure/composition of the products, inherently results from the already patented manufacturing process." American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPplus.html> (accessed July 18, 2007).

Recommended Uses

"It is designed for those people who feel rundown and decide that they need some extra-strength help. According to government guidelines on silver safety, a normal sized adult could safely consume up to four teaspoons of the ASAP Solution Plus product every day of their entire life, with no adverse effects. Extra-strength and safe to use!" American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPplus.html> (accessed July 18, 2007).

Antimicrobial Claims

"Most work by chemical action, meaning that they have to have direct contact with microbes to have any positive effect. American Biotech Labs (ABL) has engineered a new technology. This new technology kills bacteria by catalytic action, not by chemical action. Because of this technology, ABL can get kill rates on bacteria and other pathogens that other silver products cannot match"

American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPplus.html> (accessed July 18, 2007).

Product Testing Information

"Tests have been directed by one of the leading materials science laboratory in the world at the Pennsylvania State University, under the personal direction of Professor Rustum Roy, who is regarded as one of the top materials scientists in the world. Testing was also performed by distinguished scientists at Arizona State University (and other locations), all of which have been under the direction of Professor Roy..."

Over 50 studies have been completed to date. Work completed thus far includes seven safety studies, antibiotic comparison studies, antibiotic additive studies, thousands of bacterial tests, numerous tests against virus including some flu virus, and numerous studies against other pathogens like yeast and black mold. Testing also includes four studies with one of the American Biotech Labs' supplement products against the malaria protozoa, and independent human studies from four hospitals in Africa.

The results of the majority of these independent studies have not been released to the public; however, some of the data has been released to certain groups, as well as in a congressional testimony (April 2005). Some test work has also been released in other countries where the foreign government allows citizens to obtain positive information on the non-drug-related products they wish to utilize. "

American Biotech Labs, "ASAP," <http://www.americanbiotechlabs.com/ASAPplus.html> (accessed July 18, 2007).

Company web site: www.americanbiotechlabs.com

Company country: *USA*

Product web site: <http://www.americanbiotechlabs.com/ASAPplus.html>

ASAP-AGX-32

American Biotech Labs

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form Coating & Spray	Particle Size 10 nm	Classification Colloid	Is the use disperseve? Yes
Conc. of Nano Ag 32 ppm	Rate of Ag+ Release -	Expected Lifetime 2 yrs	

Notes

Structure of Particle and/or Substrate

"A preferred embodiment of the present invention is directed to compositions comprising 5 to 40 ppm silver, said silver being primarily elemental silver, 1 to 3 wgt % hydrogen peroxide, and water. A preferred embodiment of the present invention is the use, and method of use, of compositions comprising 10 to 40 ppm silver and 1 to 3 wgt % hydrogen peroxide in water as antimicrobial agents." (from the US Patent 7,135,195)

Synthesis Method

Described in detail in the US Patent 7,135,195.

Use of Nanotechnology

A solution of water, hydrogen peroxide and nano silver are used as a disinfecting agent.

Recommended Uses

"ASAP-AGX-32® can be used to disinfect hard surfaces, including: walls, tables, chairs, beds, wheel chairs, door handles, hand rails, countertops, light fixtures, floors, bathrooms toilet seats, urinals, public phones, desks, computer tables, airplanes and helicopters and any other hard non-porous surface. The surfaces include those made of glass, porcelain, glazed ceramic, enameled, painted, and also metal."

American Biotech Labs, "ASAP-AGX-32," <http://www.americanbiotechlabs.com/asapAGX32.html> (accessed July 18, 2007).

Antimicrobial Claims

"Full broad-spectrum disinfectant."

American Biotech Labs, "ASAP-AGX-32," <http://www.americanbiotechlabs.com/asapAGX32.html> (accessed July 18, 2007).

Product Testing Information

"n testing, ASAP-AGX-32® was able to kill bacteria with just a 10 minute contact time. It killed deadly bacteria, including gram-negative, gram-positive and even nosocomial (hospital mutated) pathogens."

American Biotech Labs, "ASAP-AGX-32," <http://www.americanbiotechlabs.com/asapAGX32.html> (accessed July 18, 2007).

Company web site: www.americanbiotechlabs.com

Company country: USA

Product web site: <http://www.americanbiotechlabs.com/asapAGX32.html>

Nano-silver Infused Gold Plated Curling Irons

Andis Company, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: 7

This product uses: *N/A*

Product Info

Type/ Form

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Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

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Synthesis Method

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Use of Nanotechnology

"# Nano-Silver infused "Real Gold-Plated" barrels provide maximum heat for curling and straightening. # Nano-Silver infusion of "Real Silver" kills bacteria."

Andis Company, Inc., "ANDIS' NEW NANO-SILVER INFUSED GOLD PLATED CURLING IRONS," Press Release, October 26, 2006. <http://www.andis.com/USA/PressRelease.asp> (accessed July 9, 2007).

Recommended Uses

Hair iron.

Antimicrobial Claims

"'Silver is a natural antibiotic,' says Fred Koeller, Vice President of Marketing at Andis Company. "Nano-silver infusion into the barrel of the curling irons eliminates the possibility of transferring bacteria from one customer to the next. The gold plating on the barrels ensures that they will stay bright and won't tarnish. Silver and gold combine well for these professional curling irons.".... The antibiotic properties of silver help protect against infections. By acting as a catalyst, silver suffocates bacteria, viruses and fungi by disabling the enzyme they need to metabolize oxygen."

Andis Company, Inc., "ANDIS' NEW NANO-SILVER INFUSED GOLD PLATED CURLING IRONS," Press Release, October 26, 2006. <http://www.andis.com/USA/PressRelease.asp> (accessed July 9, 2007).

Product Testing Information

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Company web site: *www.andis.com*

Product web site: *<http://www.andis.com/USA/products.asp?>*

Company country: *USA*

Milk Bottle

BabyDream Co., Ltd.

Category: *Goods for Children*
Subcategory: *Basics*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Baby milk bottle that "Even without any separate sterilization it always maintains 99.9% germ suppression and deodorization and freshness thus prevents secondary infection by virus."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Antimicrobial Claims

"NANO Silver GS(GS stands for good system)

milk bottle and silver Nano aristocratic mug cup has been developed by latest technology of atom unit Nano poly(1/1billion milimeter) thus assures health of babies and little infant susceptible infection by pathogenic bacteria and are weak in immunology.) Even without any separate sterilization it always maintains 99.9% germ suppression and deodorization and freshness thus prevents secondary infection by virus."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Product Testing Information

"No detection of environmental hormone-milk bottle, tit and other-9 kinds developed

Passed safety test for milk bottle and tits etc.(Nationally authorized test agency)."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Company web site: *www.babydream21.co.kr*

Company country: *South Korea*

Product web site: *http://babydream.en.ec21.com/product_detail.jsp?*

Mug Cup

BabyDream Co., Ltd.

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Baby mug cup that "Even without any separate sterilization it always maintains 99.9% germ suppression and deodorization and freshness thus prevents secondary infection by virus."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Antimicrobial Claims

"NANO Silver GS(GS stands for good system)

milk bottle and silver Nano aristocratic mug cup has been developed by latest technology of atom unit Nano poly(1/1billion milimeter) thus assures health of babies and little infant susceptible infection by pathogenic bacteria and are weak in immunology.) Even without any separate sterilization it always maintains 99.9% germ suppression and deodorization and freshness thus prevents secondary infection by virus."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Product Testing Information

"No detection of environmental hormone-milk bottle, tit and other-9 kinds developed

Passed safety test for milk bottle and tits etc.(Nationally authorized test agency)."

BabyDream Co., Ltd., "Nurser," http://babydream.en.ec21.com/product_detail.jsp?group_id=GC00887651&product_id=CA00895940&product_nm=Nurser (accessed June 27, 2007).

Company web site: *www.babydream21.co.kr*

Company country: *South Korea*

Product web site: *http://babydream.en.ec21.com/product_detail.jsp?*

Nano Silver Teeth Developer

BabyDream Co., Ltd.

Category: *Goods for Children*

Subcategory: *Toys and Games*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Chew toy for babies.

Antimicrobial Claims

-

Product Testing Information

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Company web site: *www.babydream21.co.kr*

Product web site: *http://babydream.en.ec21.com/product_detail.jsp?*

Company country: *South Korea*

Beiersdorf AG Silver Technology

Beiersdorf AG

Category: *Medical Applications*

Number of associated products: *1*

Subcategory: *Dressing*

This product uses: *N/A*

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	<i>Nano</i>	<i>No</i>
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	<i>1-72 hrs</i>	

Notes

Structure of Particle and/or Substrate

"Polyethylene net with metallic silver (Ag)" (from picture at Hansaplast)

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of Ag+ into the wound area.

It "contains silver (nano) particles within a polyurethane gel wound pad (moist wound healing)."

Elastoplast, "SilverHealing™" <http://www.elastoplast.ca/index.php?p=63&lang=2> (accessed July 18, 2007).

Recommended Uses

Wound dressing and care.

Antimicrobial Claims

"Throughout the last centuries silver has been used as an antimicrobial agent and the efficacy and safety of this metal has been well established...."

The advantages of silver as an anitiseptic • Well established efficacy • Proven broad-spectrum antiseptic effect • Pro-healing effect • Negligible resistance" (retrieved 07.18.2007)

Hansaplast, "Silver Technology," http://www.hansaplast.com/international/wounds/silver_info.asp (accessed July 18, 2007).

"The Hansaplast med silver wound pad with its silver ions acts effectively against a broad spectrum of germs and reduces the risk of wound infection.

Hansaplast med takes care of you and your injuries. "

Hansaplast, "med Plasters," http://www.hansaplast.com/international/med_plaster/index.asp (accessed July 17, 2007).

Product Testing Information

-

Company web site: *www.beiersdorf.com*

Company country: *Germany*

Product web site:

Elastoplast® FAST SILVERHEALING™ with P.U.R. ® Gel

Beiersdorf AG

Category: Medical Applications

Subcategory: Dressing

Number of associated products: 1

This product uses: Beiersdorf AG Silver Technology

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	Nano	No
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	2-3 days	

Notes

Structure of Particle and/or Substrate

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of Ag+ into the wound area.

It "contains silver (nano) particles within a polyurethane gel wound pad (moist wound healing)."

Elastoplast, "SilverHealing™" <http://www.elastoplast.ca/index.php?p=63&lang=2> (accessed July 18, 2007).

Recommended Uses

Wound dressing and care.

Antimicrobial Claims

"The prophylactic application of silver, a non-toxic, effective antimicrobial agent, is useful for the treatment of acute wounds – especially when the risk of infection exists or is suspected. The active ingredient prevents the growth of a broad spectrum of bacteria and fungi. At the same time, silver is a very skin-friendly and highly compatible agent to which – unlike many antibiotics – bacteria rarely build up resistance...."

The innovative wound pad (patent pending) of new Elastoplast® SILVERHEALING™ bandages is either coated with a net of metallic silver (for dry wound healing) or contains silver particles within a polyurethane gel wound pad (moist wound healing). In both cases, the constantly released silver ions rapidly penetrate bacterial membranes and interact with enzymes and other proteins in bacteria, destroying the germ's cell structure. The colonization of bacteria and consequently the risk of infection are reduced.

Elastoplast, "SilverHealing™" <http://www.elastoplast.ca/index.php?p=63&lang=2> (accessed July 18, 2007).

Product Testing Information

-

Company web site: www.beiersdorf.com

Product web site: <http://www.elastoplast.ca/index.php?p=63&lang=2>

Company country: Germany

Elastoplast® SilverHealing™

Beiersdorf AG

Category: Medical Applications
Subcategory: Dressing

Number of associated products: 1
This product uses: Beiersdorf AG Silver Technology

Product Info

Type/ Form -	Particle Size -	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 2-3 days	

Notes

Structure of Particle and/or Substrate

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of silver into the wound area.

Recommended Uses

Wound dressing and care.

Antimicrobial Claims

"The prophylactic application of silver, a non-toxic, effective antimicrobial agent, is useful for the treatment of acute wounds – especially when the risk of infection exists or is suspected. The active ingredient prevents the growth of a broad spectrum of bacteria and fungi. At the same time, silver is a very skin-friendly and highly compatible agent to which – unlike many antibiotics – bacteria rarely build up resistance....

The innovative wound pad (patent pending) of new Elastoplast® SILVERHEALING™ bandages is either coated with a net of metallic silver (for dry wound healing) or contains silver particles within a polyurethane gel wound pad (moist wound healing). In both cases, the constantly released silver ions rapidly penetrate bacterial membranes and interact with enzymes and other proteins in bacteria, destroying the germ's cell structure. The colonization of bacteria and consequently the risk of infection are reduced.

"

Elastoplast, "SilverHealing™" <http://www.elastoplast.ca/index.php?p=63&lang=2> (accessed July 18, 2007).

Product Testing Information

-

Company web site: www.beiersdorf.com

Company country: Germany

Product web site: <http://www.elastoplast.ca/index.php?p=63&lang=2>

Hansaplast® med Silver Technology

Beiersdorf AG

Category: Medical Applications

Subcategory: Dressing

Number of associated products: 1

This product uses: Beiersdorf AG Silver Technology

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

1-24 hrs

Notes

Structure of Particle and/or Substrate

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of silver into the wound area.

Recommended Uses

Wound dressing and care.

Antimicrobial Claims

"Throughout the last centuries silver has been used as an antimicrobial agent and the efficacy and safety of this metal has been well established..."

The advantages of silver as an antiseptic • Well established efficacy • Proven broad-spectrum antiseptic effect • Pro-healing effect • Negligible resistance" (retrieved 07.18.2007)

Hansaplast, "Silver Technology," http://www.hansaplast.com/international/wounds/silver_info.asp (accessed July 18, 2007).

"The Hansaplast med silver wound pad with its silver ions acts effectively against a broad spectrum of germs and reduces the risk of wound infection.

Hansaplast med takes care of you and your injuries. "

Hansaplast, "med Plasters," http://www.hansaplast.com/international/med_plaster/index.asp (accessed July 17, 2007).

Product Testing Information

-

Company web site: www.beiersdorf.com

Product web site:

Company country: Germany

Hansaplast® med Silver Technology with P.U.R. ® Gel

Beiersdorf AG

Category: Medical Applications

Subcategory: Dressing

Number of associated products: 1

This product uses: Beiersdorf AG Silver Technology

Product Info

Type/ Form

Spun

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

2-3 days

Notes

Structure of Particle and/or Substrate

"Polyethylene net with metallic silver (Ag)" (from picture at Hansaplast)

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of silver into the wound area.

Recommended Uses

Wound dressing and care.

Antimicrobial Claims

"Throughout the last centuries silver has been used as an antimicrobial agent and the efficacy and safety of this metal has been well established....

The advantages of silver as an anitiseptic • Well established efficacy • Proven broad-spectrum antiseptic effect • Pro-healing effect • Negligible resistance" (retrieved 07.18.2007)

Hansaplast, "Silver Technology," http://www.hansaplast.com/international/wounds/silver_info.asp (accessed July 18, 2007).

"The Hansaplast med silver wound pad with its silver ions acts effectively against a broad spectrum of germs and reduces the risk of wound infection.

Hansaplast med takes care of you and your injuries. "

Hansaplast, "med Plasters," http://www.hansaplast.com/international/med_plaster/index.asp (accessed July 17, 2007).

Product Testing Information

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Company web site: www.beiersdorf.com

Product web site:

Company country: Germany

Nanometer-Silver Foam Condom

Blue Cross Bio-Medical Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"The formulated concentrate takes polyvinyl alcohol resin as its basic material and nano silver as its main components and with compound of surfactant octyl phenoxy -RH4, tween-20, sapn-60, polyethylene glycol 400, deionized water as its auxiliary materials."
Blue Cross Bio-Medical Co., Ltd., "Foam Condom," http://www.bcbmcn.com/Products/p_1_02.htm (July 3, 2007).

Synthesis Method

-

Use of Nanotechnology

"The formulated concentrate takes polyvinyl alcohol resin as its basic material and nano silver as its main components and with compound of surfactant octyl phenoxy -RH4, tween-20, sapn-60, polyethylene glycol 400, deionized water as its auxiliary materials."
Blue Cross Bio-Medical Co., Ltd., "Foam Condom," http://www.bcbmcn.com/Products/p_1_02.htm (July 3, 2007).

Recommended Uses

"With introduced American scientific research achievement and advanced technology of nanometer-silver and physical foaming. That is double-barrier technology, white and fine foam is sprayed into vagina to bring the effects of integration of conception control, antibiosis and lubrication into a whole.

Scope of Application

It is applicable with the effects of conception control, antibiosis and lubrication. "

Blue Cross Bio-Medical Co., Ltd., "Foam Condom," http://www.bcbmcn.com/Products/p_1_02.htm (July 3, 2007).

Antimicrobial Claims

-

Product Testing Information

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Company web site: *www.bcbmcn.com*

Company country: *China*

Product web site: *http://www.bcbmcn.com/Products/p_1_02.htm*

Fresh Box Silver Nanoparticle Food Storage Containers

BlueMoonGoods LLC

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Nanoparticles of silver are permanently infused into the material that comes in contact with the food and are not released into the food."

"Fresh Box NanoSilver Food Containers are odor and air impermeable, made from FDA approved heat resistant polypropylene resin for lasting durability."

BlueMoonGoods LLC, "Fresh Box Silver Nanoparticle Food Storage Containers," http://www.bluemoongoods.com/silver_nanoparticle_food_containers.htm (accessed June 5, 2007).

Recommended Uses

Home food storage.

Antimicrobial Claims

"The new silver nanoparticle Fresh Box super airtight food storage containers can reduce bacteria by as much as 99.9%. It's not a miracle, it's the silver. Your food stay fresher longer so you throw away less. (How much cash do you throw in the trash?) The naturally anti-fungal, anti-bacterial and anti-microbial properties of the finely dispersed nanosilver particles permanently imbedded in the containers will save you money while helping insure you and your family enjoy safer, fresher, healthier, tastier food."

BlueMoonGoods LLC, "Fresh Box Silver Nanoparticle Food Storage Containers," http://www.bluemoongoods.com/silver_nanoparticle_food_containers.htm (accessed June 5, 2007).

Product Testing Information

Korea's Testing and Research Institute for Chemical Industry and FITI Testing & Research Institute. KOTRIC test results (pdf file). This is included in the BlueMoonGoods folder

KOTRIC Certification Center (KOTRIC-CC)

#725, KFSB Bldg., 16-2 Yoido-dong, Youngdeungpo-gu,

SEOUL 150-740

Tel.: + 82 2 671 1522

Fax: + 82 2 671 1524

Web: www.kotricqa.or.kr

KOTRIC-CC has been accredited by:

- Korea Accreditation Board

Company web site: *www.bluemoongoods.com*

Company country: *USA*

Product web site:

Carrier Pure Dew Multi Split Aircons

Carrier Singapore

Category: *Appliances*
Subcategory: *Heating, Cooling and Air*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Carrier Pure Dew Series now comes with basic filters (electrostatic & active carbon filter) plus the Nano Photocatalytic filter that reduces Titanium Dioxide (TiO₂) into Nano-size.

This filter is more efficient than a normal photocatalytic in terms of performance (i.e. anti-bacteria, de-odor, de-VOC). Nano Silver filter has the power to sterilize and deodorize, while the Nano Technology applied to the silver anti-bacterial coating has anti-bacterial and deodorizing effects. Nano Photocatalytic and Nano Silver filters get rid of unpleasant smell and smoke, as well as harmful bacteria and viruses, making air safe and healthy."

Carrier Singapore, "Carrier Pure Dew Series," http://www.carrier.com.sg/prod_aircon_dew.shtml (accessed June 6, 2007).

Recommended Uses

Residential air filtration.

Antimicrobial Claims

"Kills up to 99.9% of bacteria

Supress their respiration and inhibits cell growth!

Benefits of Nano-Silver Filter:

- * Environment friendly and non toxic
- * Harmless ot human body
- * Multi-functions such as anti-bacteria, sterilization, anti-fungus, deodorization and radiation of infar-red eay
- * Excellent lasting effects
- * No resistance to virus
- * Broad range of anti-bacteria spectrum
- * Economical processing
- * Excellent cleaning capability by the filtration of Nano Particles."

Carrier Singapore, "Carrier Pure Dew Series," http://www.carrier.com.sg/prod_aircon_dew.shtml (accessed June 6, 2007).

Product Testing Information

-

Company web site: www.carrier.com.sg

Company country: *Singapore*

Product web site: http://www.carrier.com.sg/prod_aircon_dew.shtml

Champion® O2 Cool™

Champion®

Category: *Health and Fitness*

Number of associated products: 8

Subcategory: *Clothing*

This product uses: *N/A*

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	<i>Nano</i>	<i>No</i>
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	-	

Notes

Structure of Particle and/or Substrate

It uses nano silver and the fabric content ranges from combinations of: Nylon; Lycra® Spandex, spandex, polyester, and cotton.

Synthesis Method

-

Use of Nanotechnology

Nanosilver is incorporated into this fabric to provide antibacterial protection.

Recommended Uses

Clothing and underwear

Antimicrobial Claims

"This collection features moisture management fabrics with strategically placed venting mesh panels, aerodynamic seaming and anti-microbial treatments for the ultimate in cool, dry comfort. O2Cool™ sports bras offer support for high-impact activities."

Champion®, "O2Cool™," <http://www.championusa.com/womens/techcenter.asp> (accessed July 19, 2007).

"Antimicrobial: Our antimicrobial lining fights the growth of odor-causing bacteria, mold and mildew on the garmet."

Champion®, "O2Cool™," <http://www.championo2cool.com/technology.asp> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.championusa.com*

Company country: *USA*

Product web site: *<http://www.championo2cool.com/technology.asp>*

NanoSil™ - 80 Swimming Pool Algaecide

Conseal International, Inc.

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>800 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains 0.80% elemental nano-silver and 99.20% inert ingredients (8.33lbs./gallon).

Synthesis Method

-

Use of Nanotechnology

"The silver in NanoSil™ is essentially in nonionic form. Dilution in the pool and the concentration and exposure to chlorine converts the silver to a true ionic form, which becomes the effective algaecide. Because the ionic silver is not present when the product is added to the pools, but becomes available after dilution to pool concentrations, silver chloride does not precipitate locally. At pool concentration of silver at .1 ppm, the solubility of silver chloride is sufficiently great so that it will not precipitate."

Conseal International, Inc., "NanoSil™ - 80 Swimming Pool Algaecide," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=24&Itemid=39 (accessed July 5, 2007).

Recommended Uses

Pool cleaner that prevents algae growth and bio-slime buildup.

Antimicrobial Claims

"At the recommended levels, NanoSil™-80 will kill most types of algae including Phormidium (Black Algae). However, it must be acknowledged that surfaces which have many layers of algae are being killed from the outside in, for maximum effectiveness, the dead algae should be brushed away to expose new surfaces. The properties of ionic silver are such that it will be adsorbed on pool wall surfaces. When the concentration of silver in solution falls to low levels, then the silver will be desorbed from the surfaces in effective algaecidal concentrations. This property of surface activation is a unique phenomenon of NanoSil™-80 silver, and provides the assurance there is at all times a non-volatile, highly effective, algaecide in the pool."

Conseal International, Inc., "NanoSil™ - 80 Swimming Pool Algaecide," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=24&Itemid=39 (accessed July 5, 2007).

Product Testing Information

-

Company web site: www.nanosilproducts.com

Company country: USA

Product web site: <http://www.nanosilproducts.com/cms/index.php?>

NanoSil™ -10 Dietary Supplement

Conseal International, Inc.

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>10 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

*It contains purified water and nano silver.
The 236ml bottle lists, purified silver 50mcg/serving (1 serving = 15ml).*

Synthesis Method

*"NanoSil™ is not a colloidal or ionic solution manufactured from silver salts. NanoSil™-10 is comprised of true engineered nano-particles of pure silver, manufactured in a proprietary electro-chemical reaction."
Conseal International, Inc., "NanoSil™ -10 Dietary Supplement," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=23&Itemid=37 (accessed July 5, 2007).*

Use of Nanotechnology

*"The silver in NanoSil™ is essentially in nonionic form. Dilution in the body and the concentration and treatment in the G.I. tract converts the silver to a true ionic form, which acts as the effective microbicide. Because the ionic silver is not present when the product is added to the body but becomes available after introduction to the stomach, silver chloride and other unwanted salts do not precipitate locally."
Conseal International, Inc., "NanoSil™ -10 Dietary Supplement," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=23&Itemid=37 (accessed July 5, 2007).*

Recommended Uses

*"USES: As an immune system boosting and enhancing dietary supplement."
Conseal International, Inc., "NanoSil™ -10 Dietary Supplement," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=23&Itemid=37 (accessed July 5, 2007).*

Antimicrobial Claims

*"FEATURES & BENEFITS:
*Patent-pending; *World Health Organization (W.H.O.) recognized; *True nano technology; *Kills and inhibits yeast growth; *Anti-bacterial; *Anti-viral; *Non-toxic; *Non-pharmaceutical; *Safe and effective; *Scientifically and medically proven;"
Conseal International, Inc., "NanoSil™ -10 Dietary Supplement," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=23&Itemid=37 (accessed July 5, 2007).*

Product Testing Information

FDA NanoSil® has been filed with the US FDA for drug approval in both humans and animals. The company has received approval by the FDA to begin testing of the product.

EPA Approval Disinfectant

NanoSil® has been approved by the United States EPA as a broad spectrum surface disinfectant, able to be used in hospitals, medical environments, residential homes, commercial buildings, as well as businesses. It has been approved for use against the most deadly bacterial pathogens in the United States including: Gram positive bacteria like Staphylococcus aureus (the most deadly bacteria in U.S. hospitals), Gram negative bacteria like Salmonella choleraesuis (food poisoning), and also Nosocomial or hospital induced pathogens like Pseudomonas aeruginosa (burns and cuts). Although this product is extremely deadly to bacteria, it has a unique competitive advantage. It has no smell, no color and is completely non-toxic (it uses no chemicals). It can be sprayed in and around areas where critical patients are or where people live and work without endangering their lives with toxic chemicals. The product is so safe that if a child were to accidentally drink a whole bottle, he or she would not be harmed in any way. The new EPA approval states that the product can be used on hard surfaces including walls, tables, chairs, light fixtures, bathrooms, surfaces made of glass, porcelain, metal, glazed ceramic, and enameled and painted surfaces.

Safety/Toxicity

ConSeal hired an international and independent laboratory to do a toxicology study on NanoSil®. The test, called an LD-50 test, was performed in accordance with the guidelines of the Federal Hazardous Substances Act (FHSA) Regulations, 16 CFR 1500. In the test work, the NanoSil® was given to a number of both male and female test animals. The amount of NanoSil® given to the animals was 5g/kg of 22 ppm solution, or the equivalent of a 200 pound man taking 192 teaspoons or about 4 full 8 ounce bottles of the 10 ppm solution at one time (the normal adult dosage is one or two teaspoons/day). As a result of the test work, the independent laboratory made the following conclusion, "Under the conditions of this study, there was no mortality or significant evidence of toxicity observed in the rats. The test article (NanoSil®) would not be considered toxic at a dose of 5g/kg by oral route in the rat."

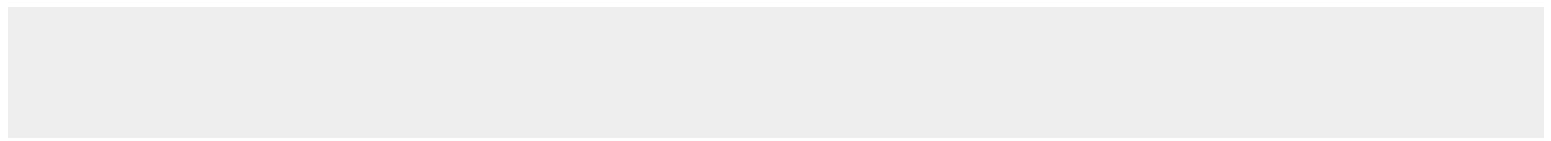
Conseal International, Inc., "Finally! A Silver Dietary Supplement with Scientific Backing," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=13&Itemid=1 (accessed July 5, 2007).

Company web site: www.nanosilproducts.com

Company country: USA

Product web site: <http://www.nanosilproducts.com/cms/index.php?>

Sources: All data are derived from internet searches. Source URLs are given where appropriate



NanoSil™ Homeopathic Silver Spray Gel

Conseal International, Inc.

Category: *Health and Fitness*
Subcategory: *Sporting Goods*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>10 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Ingredients:

Active: Argentum metallicum, (Silver 10ppm)

Inactive: Revitalized water, magnesium, lithium , sodium , silica."

Conseal International, Inc., "NanoSil™ Homeopathic Silver Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=29&Itemid=49 (accessed July 5, 2007).

Synthesis Method

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Use of Nanotechnology

"proprietary blend of pure liquid microscopic homeopathic nano-silver (argentum metallicum) particles in a proprietary shearing gel."

Conseal International, Inc., "NanoSil™ Homeopathic Silver Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=29&Itemid=49 (accessed July 5, 2007).

Recommended Uses

"NanoSil™ Homeopathic Silver Spray Gel is a unique, proprietary blend of pure liquid microscopic homeopathic nano-silver (argentum metallicum) particles in a proprietary shearing gel. NanoSil™ Homeopathic Silver Spray Gel is a unique, proprietary blend of liquid silver hydrosol that delivers a potent natural treatment alternative for dry, itchy, cracked skin. It is effective for minor skin irritations, rashes hives, insect bites, sores, burns, inflammation, skin swelling and dry, itchy, cracked skin."

Conseal International, Inc., "NanoSil™ Homeopathic Silver Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=29&Itemid=49 (accessed July 5, 2007).

Antimicrobial Claims

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Product Testing Information

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Company web site: *www.nanosilproducts.com*

Product web site: *<http://www.nanosilproducts.com/cms/index.php?>*

Company country: *USA*

NanoSil™ Nasal Spray Gel

Conseal International, Inc.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *NanoSil™-10 Dietary Supplement*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>< 25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

"REMARKS: Unique water-based thixotropic gel vehicle provides better penetration and reduced irritation as compared to alcohol or competitive water-based gel products." *Conseal International, Inc., "NanoSil™ Nasal Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=28&Itemid=47 (accessed July 5, 2007).*

Synthesis Method

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Use of Nanotechnology

"Utilizing nano-particles of non-ionic silver in a food grade gel suspension."

Conseal International, Inc., "NanoSil™ Nasal Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=28&Itemid=47 (accessed July 5, 2007).

Recommended Uses

"USES: Nasal infections."

"ConSeal's NanoSil™ Nasal Spray Gel is a novel nasal spray based on the proven science of NanoSil-10 Solution. Utilizing nano-particles of non-ionic silver in a food grade gel suspension. Based on the patented clinically proven NanoSil™-10 Solution to get you over your cold faster!"

Conseal International, Inc., "NanoSil™ Nasal Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=28&Itemid=47 (accessed July 5, 2007).

Antimicrobial Claims

"FEATURES AND BENEFITS:

* True nano-phase technology. Particle size smaller than 25 nm

* Drug-free anti-microbial"

Conseal International, Inc., "NanoSil™ Nasal Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=28&Itemid=47 (accessed July 5, 2007).

Product Testing Information

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Company web site: *www.nanosilproducts.com*

Company country: *USA*

Product web site: *<http://www.nanosilproducts.com/cms/index.php?>*

NanoSil™ Topical Anti-Microbial Spray Gel

Conseal International, Inc.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NanoSil™-10 Dietary Supplement

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains purified water, pure nano-silver, magnesium, lithium, sodium, and silica.

Synthesis Method

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Use of Nanotechnology

"NanoSil™ Spray Gel is based on the historical anti-microbial characteristics of NanoSil™-10 Solution now in a novel organogel compound whose unique three-dimensional network provides excellent suspension functionality and creates a thixotropic characteristic providing a pourable liquid that reforms a gel when applied providing for extended dwell time allowing it to be used in an easy to apply spray with an unequalled degree of shear thinning and the reformation of a non-elastic highly thixotropic gel, making topical applications allowing improved penetration of sub-dermal soft tissues possible."

Conseal International, Inc., "NanoSil™ Topical Anti-Microbial Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=24&Itemid=38 (accessed July 5, 2007).

Recommended Uses

"Uses: All topical wounds and abrasions."

"DESCRIPTION: ConSeal's NanoSil™ Spray Gel is a unique penetrating antibiotic gel for treating the pain, is a unique penetrating antibiotic gel for treating the pain, inflammation and other pathological conditions affecting musculoskeletal tissues and other soft tissues of the body caused by microbial infections."

Conseal International, Inc., "NanoSil™ Topical Anti-Microbial Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=24&Itemid=38 (accessed July 5, 2007).

Antimicrobial Claims

"NanoSil™ Spray Gel is based on the historical anti-microbial characteristics of NanoSil™-10 Solution now in a novel organogel compound...."

Benefits:

** Drug free anti-microbial; *Child safe"*

Conseal International, Inc., "NanoSil™ Topical Anti-Microbial Spray Gel," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=24&Itemid=38 (accessed July 5, 2007).

Product Testing Information

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Company web site: www.nanosilproducts.com

Company country: USA

Product web site: <http://www.nanosilproducts.com/cms/index.php?>

NanoSil™- 32 Broad Spectrum Surface Disinfectant

Conseal International, Inc.

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form Liquid	Particle Size -	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag 0.0032%	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"REMARKS: NanoSil™-32 is not a colloidal silver or silver suspension product. NanoSil™-32 is FDA classified as engineered nano particles of silver. "Conseal International, Inc., "NanoSil™- 32 Broad Spectrum Surface Disinfectant," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=25&Itemid=40 (accessed July 5, 2007).

Synthesis Method

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Use of Nanotechnology

"NanoSil™-32's novel and patent-protected technology provides effective broad spectrum protection without the use of toxic chemicals.... REMARKS: NanoSil™-32 is not a colloidal silver or silver suspension product. NanoSil™-32 is FDA classified as engineered nano particles of silver. "Conseal International, Inc., "NanoSil™- 32 Broad Spectrum Surface Disinfectant," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=25&Itemid=40 (accessed July 5, 2007).

Recommended Uses

"USES: EPA approved broad spectrum surface antimicrobial product approved for use in:

* Hospital operating rooms; * Any medical facility; * Industrial facilities; * Commercial facilities; * Residential or home use"

"NanoSil™-32 is a broad spectrum EPA approved hospital and medical is a broad spectrum EPA approved hospital and medical environment surface disinfectant. This product is ready to use on hard, non-porous surfaces of inanimate objects. It is intended for use in commercial, residential, industrial and medical settings. This product is not for use on food contact surfaces. The product will be effective against gram negative bacterial (i.e., Salmonella choleraesuis), gram positive bacteria (i.e., Staphylococcus aureus), and nosocomial bacterial pathogen, Pseudomonas aeruginosa, with a 10- minute contact time when used as directed on hard, non-porous surfaces, including walls, urinals, floors, tables, chairs, light fixtures and bathroom surfaces. This includes those surfaces made of glass, metal, glazed ceramic, enameled and painted surfaces, etc."Conseal International, Inc., "NanoSil™- 32 Broad Spectrum Surface Disinfectant," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=25&Itemid=40 (accessed July 5, 2007).

Antimicrobial Claims

"NanoSil™-32 is a broad spectrum EPA approved hospital and medical is a broad spectrum EPA approved hospital and medical environment surface disinfectant. This product is ready to use on hard, non-porous surfaces of inanimate objects. It is intended for use in commercial, residential, industrial and medical settings. This product is not for use on food contact surfaces. The product will be effective against gram negative bacterial (i.e., Salmonella choleraesuis), gram positive bacteria (i.e., Staphylococcus aureus), and nosocomial bacterial pathogen, Pseudomonas aeruginosa, with a 10- minute contact time when used as directed on hard, non-porous surfaces, including walls, urinals, floors, tables, chairs, light fixtures and bathroom surfaces. This includes those surfaces made of glass, metal, glazed ceramic, enameled and painted surfaces, etc."Conseal International, Inc., "NanoSil™- 32 Broad Spectrum Surface Disinfectant," http://www.nanosilproducts.com/cms/index.php?option=com_content&task=view&id=25&Itemid=40 (accessed July 5, 2007).

Product Testing Information

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Company web site: www.nanosilproducts.com

Product web site: <http://www.nanosilproducts.com/cms/index.php?>

Company country: USA

Nano Silver Poly Technology

Daewoo® Electronics

Category: *Cross-cutting*
Subcategory: *Coatings*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Nano Silver Poly is a nanoparticle-containing polymer network."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Synthesis Method

-

Use of Nanotechnology

"The silver nanoparticle itself is a solid state (non-fluid) anti-microbial and anti-biotic polymer and has the future potential for a number of anti-bacterial applications (washing machines and catalysts).

The static polymer is safe and will not have any effect on contact with human skin. A clean environment with a Nano Silver network in place will inhibit bacterial growth altogether- known as a bacteriostatic effect."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Recommended Uses

It "has the potential for a number of anti-bacterial applications (washing machines and catalysts)."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Antimicrobial Claims

"Nano Silver Poly is a nanoparticle-containing polymer network that can act against microscopic organisms. It is capable of repelling bacteria and other microbes, releases a biocide and can also remove the organism on contact."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

"Nano Silver Poly Technology

After splitting the particles of silver known to have superior deodorant and antibiotic power by 1/1000000 mm, we have applied it to major parts of refrigerator in order to restrain the growth and increase of a wide variety of bacteria and eliminate odor particles. Accordingly, it is latest pro-health technology to ensure freshness of food products and ultimately, your health.

Nano Silver presents strong disinfection, deodorant and storage power. It also maintains balance of hormone within our body and intercepts electromagnetic waves significantly."

Daewoo Electronics, "Refrigerator Glossary," http://www.daewoo-electronics.de/eu/products/cool_ref_glos.asp (accessed January 29, 2008).

Product Testing Information

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Company web site: www.daewoo-electronics.de/eu/home/index.asp

Company country: *Germany*

Product web site: <http://www.daewooelectronics.co>.

Refrigerator | Combi

Daewoo® Electronics

Category: *Appliances*
Subcategory: *Large Kitchen Appliances*

Number of associated products: 7
This product uses: *Nano Silver Poly Technology*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

This refrigerator utilizes "Nano Silver Poly" technology . This is described below in the antibacterial section.

Recommended Uses

Refrigerator for home use.

Antimicrobial Claims

" • Nano Silver Anti-Bacteria."

Daewoo Electronics, "Refrigerators | Combi, ERF-416AS," http://www.daewoo-electronics.de/eu/products/cool_ref_combi.asp?idprod=311 (accessed January 29, 2008).

"Nano Silver Poly Technology

After splitting the particles of silver known to have superior deodorant and antibiotic power by 1/1000000 mm, we have applied it to major parts of refrigerator in order to restrain the growth and increase of a wide variety of bacteria and eliminate odor particles. Accordingly, it is latest pro-health technology to ensure freshness of food products and ultimately, your health.

Nano Silver presents strong disinfection, deodorant and storage power. It also maintains balance of hormone within our body and intercepts electromagnetic waves significantly."

Daewoo Electronics, "Refrigerator Glossary," http://www.daewoo-electronics.de/eu/products/cool_ref_glos.asp (accessed January 29, 2008).

Product Testing Information

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Company web site: www.daewoo-electronics.de/eu/home/index.asp

Company country: *Germany*

Product web site: <http://www.daewoo-electronics>.

Refrigerators | Side by side

Daewoo® Electronics

Category: *Appliances*

Subcategory: *Large Kitchen Appliances*

Number of associated products: *15*

This product uses: *Nano Silver Poly Technology*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

This refrigerator utilizes "Nano Silver Poly" technology. This is described below in the antibacterial section.

Recommended Uses

A refrigerator for home use.

Antimicrobial Claims

"Nano Silver Poly Technology

After splitting the particles of silver known to have superior deodorant and antibiotic power by 1/1000000 mm, we have applied it to major parts of refrigerator in order to restrain the growth and increase of a wide variety of bacteria and eliminate odor particles. Accordingly, it is latest pro-health technology to ensure freshness of food products and ultimately, your health.

Nano Silver presents strong disinfection, deodorant and storage power. It also maintains balance of hormone within our body and intercepts electromagnetic waves significantly."

Daewoo Electronics, "Refrigerators | Side by side," http://www.daewoo-electronics.de/eu/products/cool_ref_side.asp (accessed June 7, 2007).

Product Testing Information

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Company web site: *www.daewoo-electronics.de/eu/home/index.asp*

Product web site: *<http://www.daewoo-electronics>.*

Company country: *Germany*

Vacuum Cleaner

Daewoo® Electronics

Category: *Home and Garden*

Subcategory: *Cleaning*

Number of associated products: 3

This product uses: *Nano Silver Poly Technology*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Nano Silver Poly is a nanoparticle-containing polymer network."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Synthesis Method

-

Use of Nanotechnology

"Daewoo Electronics' Vacuum Cleaner has a specially Nano Silver-coated 'Cyclone canister' that has the effect of removing bacteria and a plethora of dust particles, inhibiting odour, allergy-inducing spores, and other harmful debris."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Recommended Uses

Vacuum cleaner.

Antimicrobial Claims

"Nano Silver Poly is a nanoparticle-containing polymer network that can act against microscopic organisms. It is capable of repelling bacteria and other microbes, releases a biocide and can also remove the organism on contact."

Daewoo Electronics, "Vaccum Cleaner," http://www.daewooelectronics.co.uk/gb/products/living_clean_glos.htm (accessed June 11, 2007).

Product Testing Information

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Company web site: www.daewoo-electronics.de/eu/home/index.asp

Product web site: <http://www.daewooelectronics.co>.

Company country: *Germany*

Washing Machine

Daewoo® Electronics

Category: *Home and Garden*

Subcategory: *Cleaning*

Number of associated products: *4*

This product uses: *Nano Silver Poly Technology*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Nano Silver Poly is a nanoparticle-containing polymer network."

Daewoo Electronics, "Washing Machine," http://www.daewooelectronics.co.uk/gb/products/living_wash_glos.htm (accessed June 11, 2007).

Synthesis Method

-

Use of Nanotechnology

"Daewoo Electronics' Washing Machine system has specially Nano Silver-coated 'lifters' that interact and rotate the washing with the effect of removing bacteria from any material present in the washing process."

Daewoo Electronics, "Washing Machine," http://www.daewooelectronics.co.uk/gb/products/living_wash_glos.htm (accessed June 11, 2007).

Recommended Uses

Washing machine.

Antimicrobial Claims

"Daewoo Electronics' Washing Machine system has specially Nano Silver-coated 'lifters' that interact and rotate the washing with the effect of removing bacteria from any material present in the washing process."

Daewoo Electronics, "Washing Machine," http://www.daewooelectronics.co.uk/gb/products/living_wash_glos.htm (accessed June 11, 2007).

Product Testing Information

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Company web site: www.daewoo-electronics.de/eu/home/index.asp

Company country: *Germany*

Product web site: <http://www.daewooelectronics.co>.

Washing Machine

Daewoo® Electronics

Category: *Appliances*

Number of associated products: 6

Subcategory: *Laundry & Clothing Care*

This product uses: *Nano Silver Poly Technology*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

Yes

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It implements "Nano silver pulsator."

Daewoo Electronics, "Washing Machine DWF-200MS," http://www.daewoo-electronics.de/eu/products/living_washing.asp?idprod=235 (accessed June 7, 2007).

Recommended Uses

Washing machine for home use.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.daewoo-electronics.de/eu/home/index.asp*

Company country: *Germany*

Product web site: *<http://www.daewoo-electronics>.*

Hikari Gin Tech, HGT

Daido Steel Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Coatings*

Number of associated products: 3
This product uses: *N/A*

Product Info

Type/ Form <i>Coating & Spray</i>	Particle Size <i>7 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 months - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

It is "silver on Titanium Dioxide" (Ag-TiO₂).

"The first generation of nano-photocatalyst is around 10nm to 20nm, which give a reaction surface areas far less than HGT, that is the reaction rate is slower than HGT. "
Daido Steel Co. Ltd., "HGT," <http://www.hgt.com.hk/english/eindex.htm> (accessed June 12, 2007).

Synthesis Method

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Use of Nanotechnology

"HGT's binder was developed for some years. The binder keep hold of the HGT particles on the surfaces of treatment areas. The coating is not easy to be wiped off, so it is effective to decompose tiny organic matters, like bacteria, formaldehyde, etc. for a long period of time, say 6 months to several years."

Daido Steel Co. Ltd., "HGT," <http://www.hgt.com.hk/english/eindex.htm> (accessed June 12, 2007).

Recommended Uses

"HGT Nano Silver Photocatalyst The Aerosol Spray is easy to use. It can be sprayed to all kinds of surfaces, like toys, curtain, wall paper, concrete, plastic, etc. to form a semi-permanent protective layer." + industrial applications such as air ducts

Daido Steel Co. Ltd., "HGT," <http://www.hgt.com.hk/english/eindex.htm> (accessed June 12, 2007).

Antimicrobial Claims

"HGT Nano Silver Photocatalyst Aerosol Spray 420ml Not only instant knock down of bacteria & virus but also form a semi-permanent protective layer for months."

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Daido Steel Co. Ltd., "HGT," <http://www.hgt.com.hk/english/eindex.htm> (accessed June 12, 2007).

Product Testing Information

"HGT has been tested by universities in Japan, authorized organizations in Hong Kong & Japan, like Japan Food & Research Center, a center that is authorized by Health Department of Japan. It is proved that HGT can exterminate 99.9% bacteria, Influenca virus, TB bacillus, etc. For details, please see Testing Reports and University Reports ."

More testing body and research report information on the same page (Medical & Universities Reports)

Daido Steel Co. Ltd., "HGT," <http://www.hgt.com.hk/english/eindex.htm> (accessed June 12, 2007).

Company web site: *www.daido.co.jp*

Company country: *Japan*

Product web site: *<http://www.hgt.com.hk/english/eindex.htm>*

Platinum Silver Nanocolloid Cream

DHC USA Inc.

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains, "absorptive platinum and silver nanocolloids."

DHC USA Inc., "Platinum Silver Nanocolloid Cream," <http://www.dhccare.com/DHC/ProductDetail.aspx?ProductID=3002&Catalog=DHC+USA> (accessed July 10, 2007).

Synthesis Method

-

Use of Nanotechnology

A silver nano colloid in an anti -aging cream.

Recommended Uses

"Platinum power. This intensive, yet surprisingly light moisturizer helps minimize the appearance of wrinkles and age spots, thanks to absorptive platinum and silver nanocolloids. Hydrating botanicals and coenzyme Q10 help maintain younger-looking skin. For best results, layer after applying Platinum Silver Nanocolloid Milky Essence."

DHC USA Inc., "Platinum Silver Nanocolloid Cream," <http://www.dhccare.com/DHC/ProductDetail.aspx?ProductID=3002&Catalog=DHC+USA> (accessed July 10, 2007).

Antimicrobial Claims

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Product Testing Information

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Company web site: *www.dhccare.com*

Company country: *USA*

Product web site: *<http://www.dhccare.com/DHC/ProductDetail.aspx?>*

Platinum Silver Nanocolloid Milky Essence

DHC USA Inc.

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

A mixture of "absorptive platinum and silver nanocolloids" included with other ingredients.

DHC USA Inc., "Platinum Silver Nanocolloid Milky Essence." http://www.dhccare.com/DHC/ProductDetail.aspx?CS_Catalog=DHC%20USA&CS_ProductID=3001 (accessed July 10, 2007).

Synthesis Method

-

Use of Nanotechnology

A silver nano colloid in a skin treatment.

Recommended Uses

"Silver lining. This light-textured booster in an integral step in helping to minimize the appearance of wrinkles and age spots, thanks to absorptive platinum and silver nanocolloids. Hydrating botanicals and coenzyme Q10 in the silky serum help maintain younger-looking skin. For best results, apply after toning, followed by Platinum Silver Nanocolloid Cream."

DHC USA Inc., "Platinum Silver Nanocolloid Milky Essence." http://www.dhccare.com/DHC/ProductDetail.aspx?CS_Catalog=DHC%20USA&CS_ProductID=3001 (accessed July 10, 2007).

Antimicrobial Claims

-

Product Testing Information

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Company web site: *www.dhccare.com*

Product web site:

Company country: *USA*

UP-3211 Nano & UV Artificial Teeth Cleaner

DigiMax Innovative Products LTD.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

"It efficiently clean your artificial teeth or jewelry with nano-silver and latest Japan technology - UV light sterilization."

DigiMax Innovative Products LTD., "UP-32 Nano & UV Artificial Teeth Cleaner," <http://www.digimaxproducts.com/showroom/healthcare/UP-3211.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Through the latest UV light sterilization and nano-silver bacteriostasis to reach 100% spotless effect without residual chemical.... UV light sterilization and nano-silver mixture container can deodorize, sterilize and wash at one step.

DigiMax Innovative Products LTD., "UP-32 Nano & UV Artificial Teeth Cleaner," <http://www.digimaxproducts.com/showroom/healthcare/UP-3211.htm> (accessed June 20, 2007).

Product Testing Information

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Company web site: *www.digimaxproducts.com*

Company country: *Taiwan (R.O.C)*

Product web site: *<http://www.digimaxproducts.com>*

E47™ Antimicrobial Fiber Technology

E47

Category: *Cross-cutting*
Subcategory: *Coatings*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*For use in polyester, nylon, poluethane. polypropylene, or 100% cotton fiber.
"Designers can now add permanent and effective anti-odor properties to their favorite fibers and fabrics without concern for loss of stretch, wicking, hand or dyeability."
E47, "E47," www.e47nano.com (accessed June 11, 2007).*

Antimicrobial Claims

"E47's anti-microbial nano silver technology is available in the following fabrics:

- * E47 Polyester*
- * E47 Nylon*
- * E47 Polyurethane*
- * E47 Polypropylene*
- * E47 100% Cotton"*

E47, "E47," www.e47nano.com (accessed June 11, 2007).

Product Testing Information

*"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with E47 antimicrobial-enhanced fibers: corynbacterium diphteriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing. The NAMSA tests were performed on enhanced polyester and enhanced cotton.... The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."
E47, "E47," www.e47nano.com (accessed June 11, 2007).*

Company web site: *www.e47nano.com*

Company country: *USA*

Product web site:

X-System™ Hunting Cap

E47

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 1
This product uses: E47™ Antimicrobial Fiber Technology

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

Cap.

Antimicrobial Claims

*"The X-System™ Six-Panel Cap is highly advanced, considering its ability to eliminate the source of body odor by preventing bacteria growth with a silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/huntingcap.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: www.e47nano.com

Company country: USA

Product web site: <http://www.xsystem.com/huntingcap.html>

X-System™ Scent Eliminating Boot Socks

E47

Category: *Health and Fitness*
Subcategory: *Sporting Goods*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

Socks.

Antimicrobial Claims

*"These socks are by far the most technologically advanced in the hunting industry, considering its ability to eliminate the source of odor by preventing bacteria growth with E47™ nano silver technology for days."
E47, "Xsystem," <http://www.xsystem.com/bootsocks.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/bootsocks.html>*

Company country: *USA*

X-System™ Balaclava

E47

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

It is "generally between 10 and 15 nanometers in diameter."

E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).

Synthesis Method

"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."

E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).

Use of Nanotechnology

"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."

E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).

Recommended Uses

"This Balaclava style headwear will protect the head and neck from cool weather while controlling body odor. "

Antimicrobial Claims

"while the 100-percent polyester inner lining with E47 nano silver technology eliminates odor-causing bacteria."

E47, "Xsystem," <http://www.xsystem.com/balaclava.html> (accessed June 11, 2007).

Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/balaclava.html>*

Company country: *USA*

X-System™ Base Layer

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

"[P]olymers are enhanced using hot-mixed additives at th (Understanding E47 pdf)e fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"With the Base Layer Long-Sleeve Tee and Pull-On Pant, hunters can now wear their favorite camo pattern during the warm early season with the added benefit of effective scent elimination."
E47, "Xsystem," <http://www.xsystem.com/baselayer.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"This high-tech base layer eliminates the source of odor by preventing bacteria growth with a silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/baselayer.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/baselayer.html>*

Company country: *USA*

X-System™ Camo Shirt

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"If you're a hunter who likes lightweight button-down shirts for the hot, humid early season, or just want something other than a T-shirt, then here's the solution – the X-System™ Light-Weight Camo Button-Down Shirt."
E47, "Xsystem," <http://www.xsystem.com/camoshirt.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"Like all X-System garments, this shirt will eliminate the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/camoshirt.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Company country: *USA*

Product web site: *<http://www.xsystem.com/camoshirt.html>*

X-System™ Fleece Pullover

E47

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 1
This product uses: E47™ Antimicrobial Fiber Technology

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe." (Understanding E47 pdf)

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

Pullover.

Antimicrobial Claims

*"This polar-weight pullover is by far the most technologically advanced in the hunting industry, considering its ability to eliminate the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/fleecepullover.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: www.e47nano.com

Company country: USA

Product web site: <http://www.xsystem.com/fleecepullover.html>

X-System™ Head Cover

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

Head cover.

Antimicrobial Claims

*"The X-System™ Head Cover is by far the most technologically advanced in the hunting industry, considering its ability to eliminate the source of odor by preventing bacteria growth, with E47 nano silver technology."
E47, "Xsystem," <http://www.xsystem.com/headcover.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/headcover.html>*

Company country: *USA*

X-System™ Light-Weight Six-Pocket Pant

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"The X-System™ Light-Weight Six-Pocket Pant is perfect for hot, humid early season hunting. This pant is made from the latest development in performance, heat wicking fabrics. The unique cotton-twill blend with silver-ion technology is an X-System™ exclusive fabric that wears extremely light on the skin for unmatched comfort."
E47, "Xsystem," <http://www.xsystem.com/sixpocketpant.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"This pant is by far the most technologically advanced in the hunting industry, considering its ability to eliminate the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/sixpocketpant.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Company country: *USA*

Product web site: *<http://www.xsystem.com/sixpocketpant.html>*

X-System™ Light-weight Unlined Bib

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"The X-System™ light-weight, unlined Bib is ideal for warm to hot early-season hunting while adding the benefit of odor elimination technology."
E47, "Xsystem," <http://www.xsystem.com/unlinedbib.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"This bib is by far the most technologically advanced light-weight bib in the hunting industry, considering its ability to eliminate the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/unlinedbib.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: www.e47nano.com

Company country: *USA*

Product web site: <http://www.xsystem.com/unlinedbib.html>

X-System™ Mockneck / Long Sleeve

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"X-System's™ Mockneck Long-Sleeve T-shirt is perfect for those sportsmen who like their neck covered for added warmth and scent control. This long-sleeve T-shirt eliminates the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/mockneck.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"This high-tech long-sleeve T-shirt eliminates the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/mockneck.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/mockneck.html>*

Company country: *USA*

X-System™ Nano-Silver Scent Elimination Spray

E47

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form Coating & Spray	Particle Size <15 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).

Synthesis Method

-

Use of Nanotechnology

"X-System™ Nano-Silver Scent Elimination Spray is dual-action; it combines a fast-acting technology with the powerful, long-lasting deodorizing properties of pure nano-size silver."
E47, "Xsystem," <http://www.xsystem.com/scentspray.html> (accessed June 11, 2007).

Recommended Uses

"To the hunter, this means it doesn't matter where the odor comes from – body or outside source – X-System Nano-Silver will control it.

Odor molecules from outside sources, such as smoke, food and gasoline vapors, are altered with a fast-acting technology that renders them undetectable to the noses of wild game. Odor-causing bacteria will be controlled by the long lasting protection of nano-size silver. X-System Nano-Silver will not bleed or leave a white powdery residue, and it will not stain or fade clothing."

E47, "Xsystem," <http://www.xsystem.com/scentspray.html> (accessed June 11, 2007).

Antimicrobial Claims

"Odor-causing bacteria will be controlled by the long lasting protection of nano-size silver."
E47, "Xsystem," <http://www.xsystem.com/scentspray.html> (accessed June 11, 2007).

Product Testing Information

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Company web site: www.e47nano.com

Product web site: <http://www.xsystem.com/scentspray.html>

Company country: USA

X-System™ Plantation Jacket

E47

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 1
This product uses: E47™ Antimicrobial Fiber Technology

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"The X-System™ Plantation is perfect for those bowhunters heading out to the woods on cool mornings when a light jacket equipped with scent control is needed. "
E47, "Xsystem," <http://www.xsystem.com/plantationjacket.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"The Plantation Jacket eliminates the source of odor by preventing bacteria growth and regulates body heat with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/plantationjacket.html> (accessed June 11, 2007).*

Product Testing Information

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Company web site: www.e47nano.com

Company country: USA

Product web site: <http://www.xsystem.com/plantationjacket.html>

X-System™ Polywool Base Layer

E47

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 1
This product uses: E47™ Antimicrobial Fiber Technology

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe." (Understanding E47 pdf)

Use of Nanotechnology

"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."

E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).

"X-System™ has taken two basic products – polyester and fine Merino wool – and combined them with a silver-ion technology, yielding a technologically advanced hunting product."

E47, "Xsystem," <http://www.xsystem.com/polywool.html> (accessed June 11, 2007).

Recommended Uses

"For hunters looking for ultimate performance for added warmth, moisture management and odor control in an undergarment, X-System™ Polywool™ is the answer."

E47, "Xsystem," <http://www.xsystem.com/polywool.html> (accessed June 11, 2007).

Antimicrobial Claims

"These high-tech undergarments use a silver-ion technology to control body odor by eliminating its source – the growth and influx of bacteria. Since reactivation or regeneration is never necessary, hunters can take full advantage of this advanced technology while remaining worry free on hunts."

E47, "Xsystem," <http://www.xsystem.com/polywool.html> (accessed June 11, 2007).

Product Testing Information

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Company web site: www.e47nano.com

Company country: USA

Product web site: <http://www.xsystem.com/polywool.html>

X-System™ Radar Hat

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"This Radar style hat has fold-down earflaps for added warmth and a short visor. "
E47, "Xsystem," <http://www.xsystem.com/radarhat.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"The micro-fleece outer shell will help hunters stay warm and dry, while the 100-percent polyester inner lining with E47 nano silver eliminates odor-causing bacteria."
E47, "Xsystem," <http://www.xsystem.com/radarhat.html> (accessed June 11, 2007).*

Product Testing Information

-

Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/radarhat.html>*

Company country: *USA*

X-System™ Shooter Gloves

E47

Category: *Health and Fitness*
Subcategory: *Sporting Goods*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"This glove is a high quality shooter's glove with a polyester inner lining that contains E47™ nano silver technology that will keep you odor free."
E47, "Xsystem," <http://www.xsystem.com/shootersgloves.html> (accessed June 11, 2007).*

Recommended Uses

Shooting gloves.

Antimicrobial Claims

*"This glove is a high quality shooter's glove with a polyester inner lining that contains E47™ nano silver technology that will keep you odor free."
E47, "Xsystem," <http://www.xsystem.com/shootersgloves.html> (accessed June 11, 2007).*

Product Testing Information

-

Company web site: *www.e47nano.com*

Company country: *USA*

Product web site: *<http://www.xsystem.com/shootersgloves.html>*

X-System™ Short Sleeve

E47

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *E47™ Antimicrobial Fiber Technology*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

*"[P]olymers are enhanced using hot-mixed additives at the fiber extruder following our specific recipe; and cotton is enhanced utilizing either pressure or atmospheric dyeing machines, also following our specific recipe."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Use of Nanotechnology

*"[T]hey are also chemically and permanently bonded to the fibers that are being enhanced."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Recommended Uses

*"Just about everyone wears a T-shirt, so why not have one that will control body odor.... This T-shirt is perfect for turkey hunters and anglers too."
E47, "Xsystem," <http://www.xsystem.com/shortsleeveshirt.html> (accessed June 11, 2007).*

Antimicrobial Claims

*"This short-sleeve tee eliminates the source of odor by preventing bacteria growth with silver-ion technology."
E47, "Xsystem," <http://www.xsystem.com/shortsleeveshirt.html> (accessed June 11, 2007).*

Product Testing Information

-

Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/shortsleeveshirt.html>*

Company country: *USA*

X-System™ Wipes

E47

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i><15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

*It is "generally between 10 and 15 nanometers in diameter."
E47, "Understanding E47 PDF," www.e47nano.com (accessed June 11, 2007).*

Synthesis Method

-

Use of Nanotechnology

*"X-System™ Nano-Silver Scent Elimination Spray is dual-action; it combines a fast-acting technology with the powerful, long-lasting deodorizing properties of pure nano-size silver."
E47, "Xsystem," <http://www.xsystem.com/scentspray.html> (accessed June 11, 2007).*

Recommended Uses

*"Based on the same chemical blend in scent eliminator spray, these wipes are ideal for eliminating all types of odor contaminates on your hunting gear arsenal. Use these wipes to eliminate human odors, gasoline vapors, food smells, smoke and any other odor you want to eliminate. These wipes are especially helpful on early-season multiple-day hunts when taking a shower just isn't possible. Carry the container with you and wipe down before your rigorous spot 'n' stalks."
E47, "Xsystem," <http://www.xsystem.com/wipes.html> (accessed June 11, 2007).*

Antimicrobial Claims

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Product Testing Information

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Company web site: *www.e47nano.com*

Product web site: *<http://www.xsystem.com/wipes.html>*

Company country: *USA*

CHI® Nano Digital Irons

Farouk Systems, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: 2

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Hair iron.

Antimicrobial Claims

"Sterilizes and kills bacteria" product page

"Nano Silver - CHI Brand has now added this new pioneering technology to our industry, for the first time hairdressers will be able to use tools which not only out perform but also sterilize themselves and kill bacteria."

Farouk Systems, Inc., "What is CHI® - Technology,"<http://www.chiretail.com/technology/> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.farouk.com*

Product web site: *<http://www.chiretail.com/tools/irons/nanodigiflat.html>*

Company country: *USA*

CHI® Nano Dryer

Farouk Systems, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

hair dryer

Antimicrobial Claims

"Nano silver –infused in the handle sterilizes and Kills bacteria" product page

"Nano Silver - CHI Brand has now added this new pioneering technology to our industry, for the first time hairdressers will be able to use tools which not only out perform but also sterilize themselves and kill bacteria."

Farouk Systems, Inc., "What is CHI® - Technology,"<http://www.chiretail.com/technology/> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.farouk.com*

Company country: *USA*

Product web site: *<http://www.chiretail.com/tools/dryers/nano.html>*

CHI® Nano Iron

Farouk Systems, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Hair iron.

Antimicrobial Claims

"Sterilizes and kills bacteria" product page

"Nano Silver - CHI Brand has now added this new pioneering technology to our industry, for the first time hairdressers will be able to use tools which not only out perform but also sterilize themselves and kill bacteria."

Farouk Systems, Inc., "What is CHI® - Technology,"<http://www.chiretail.com/technology/> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.farouk.com*

Product web site: *<http://www.chiretail.com/tools/irons/nanodigiflat.html>*

Company country: *USA*

Ultrasonic Humidifier

Germ Guardian™

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: 2
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

The water tank is coated with nanosilver. It is described as the use of "nano-silver in the water tank of the H-3000 and H-2000 to help prevent the growth of microbes in the water such as bacteria, viruses and fungi."

Germ Guardian™, "Digital Ultrasonic Humidifier," http://www.germguardian.com/prod_humiddigi.html (accessed June 12, 2007).

Recommended Uses

Humidifier for personal use.

Antimicrobial Claims

"Germ Guardian™ chose to use nano-silver in the water tank of the H-3000 and

H-2000 to help prevent the growth of microbes in the water such as bacteria, viruses and fungi. Therefor the water in the tank is free of contaminants and healthy vapor is sent out into the air."

Germ Guardian™, "Digital Ultrasonic Humidifier," http://www.germguardian.com/prod_humiddigi.html (accessed June 12, 2007).

Product Testing Information

-

Company web site: *www.guardiantechologies.com*

Company country: *USA*

Product web site: *http://www.germguardian.com/prod_humiddigi.html*

Long Johns

Goodweaver Textile Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *Nanotex*

Product Info

Type/ Form <i>Spun</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>product lifetime</i>	

Notes

Structure of Particle and/or Substrate

It contains silver particles in a polymer matrix.

Synthesis Method

-

Use of Nanotechnology

"A technical fabric composed of micro-channel cross-sections yarn.... NANOTECH HEAL FIBER, Nano Silver Anti Bacterial NYLON fiber, a performance fiber system made with pure silver.... As the anti-microbial substance is mixed into the polymer NANO Silver maintains its functions without any deterioration by repeated laundering."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Recommended Uses

Long johns with the following features:

- "1. Prevent body and feet diseases for affection*
- 2. Keep body and feet warm*
- 3. Improves body and feet dryness and comfortable*
- 4. Maintain the effect after repeated washing."*

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Antimicrobial Claims

"The special construction yarn and fabric with Nano Silver Tech is able to move moisture away from the body, to enhance fabric drying, and to extinguish the growing of bacteria."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.goodweaver.com*

Product web site: *<http://www.weshin.idv.tw/goodweaver/products.html>*

Company country: *Taiwan (R.O.C.)*

Nano Silver Socks

Goodweaver Textile Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *Nanotex*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>product life</i>	

Notes

Structure of Particle and/or Substrate

It contains silver particles in a polymer matrix .

Synthesis Method

-

Use of Nanotechnology

"A technical fabric composed of micro-channel cross-sections yarn.... NANOTECH HEAL FIBER, Nano Silver Anti Bacterial NYLON fiber, a performance fiber system made with pure silver.... As the anti-microbial substance is mixed into the polymer NANO Silver maintains its functions without any deterioration by repeated laundering."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Recommended Uses

Socks with the following features:

- "1. Prevent body and feet diseases for affection*
- 2. Keep body and feet warm*
- 3. Improves body and feet dryness and comfortable*
- 4. Maintain the effect after repeated washing."*

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Antimicrobial Claims

"The special construction yarn and fabric with Nano Silver Tech is able to move moisture away from the body, to enhance fabric drying, and to extinguish the growing of bacteria."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.goodweaver.com*

Product web site: *<http://www.weshin.idv.tw/goodweaver/products.html>*

Company country: *Taiwan (R.O.C.)*

Nanotex

Goodweaver Textile Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Fabric Thread*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

It contains silver particles in a polymer matrix.

Synthesis Method

-

Use of Nanotechnology

"A technical fabric composed of micro-channel cross-sections yarn.... NANOTECH HEAL FIBER, Nano Silver Anti Bacterial NYLON fiber, a performance fiber system made with pure silver.... As the anti-microbial substance is mixed into the polymer NANO Silver maintains its functions without any deterioration by repeated laundering." Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Recommended Uses

It is "suitable for outdoors sport wear, city and casual wear, pants and some tights." Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Antimicrobial Claims

"The special construction yarn and fabric with Nano Silver Tech is able to move moisture away from the body, to enhance fabric drying, and to extinguish the growing of bacteria." Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.goodweaver.com*

Product web site: *<http://www.goodweaver.com/>*

Company country: *Taiwan (R.O.C.)*

Polo Shirt

Goodweaver Textile Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *Nanotex*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>product lifetime</i>	

Notes

Structure of Particle and/or Substrate

It contains silver particles in a polymer matrix.

Synthesis Method

-

Use of Nanotechnology

"A technical fabric composed of micro-channel cross-sections yarn.... NANOTECH HEAL FIBER, Nano Silver Anti Bacterial NYLON fiber, a performance fiber system made with pure silver.... As the anti-microbial substance is mixed into the polymer NANO Silver maintains its functions without any deterioration by repeated laundering."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Recommended Uses

Shirt with the following features:

- "1. Prevent body and feet diseases for affection*
- 2. Keep body and feet warm*
- 3. Improves body and feet dryness and comfortable*
- 4. Maintain the effect after repeated washing."*

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Antimicrobial Claims

"The special construction yarn and fabric with Nano Silver Tech is able to move moisture away from the body, to enhance fabric drying, and to extinguish the growing of bacteria."

Goodweaver Textile Co., Ltd., "Products- NANOTEX," <http://www.goodweaver.com/> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.goodweaver.com*

Product web site: *<http://www.weshin.idv.tw/goodweaver/products.html>*

Company country: *Taiwan (R.O.C.)*

Hot tools® Helix™ Curling Iron

Helen of Troy®

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *4*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Curling Iron.

Antimicrobial Claims

"Hot Tools® is changing the DNA of professional styling appliances with the debut of its new Helix™ Collection featuring innovative NanoSilver technology, which is known to be a natural bacteriostat."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.hotus.com*

Product web site: *<http://www.lasplash.com>*

Company country: *USA*

Hot tools® Helix™ Deep Waver

Helen of Troy®

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Hair deep waver.

Antimicrobial Claims

"Hot Tools® is changing the DNA of professional styling appliances with the debut of its new Helix™ Collection featuring innovative NanoSilver technology, which is known to be a natural bacteriostat."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.hotus.com*

Product web site: *<http://www.lasplash.com>*

Company country: *USA*

Hot tools® Helix™ Dryer

Helen of Troy®

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"NanoSilver housing keeps bacteria and germs away, and the removable lint filter is a breeze to clean."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Recommended Uses

Hair dryer.

Antimicrobial Claims

"Hot Tools® is changing the DNA of professional styling appliances with the debut of its new Helix™ Collection featuring innovative NanoSilver technology, which is known to be a natural bacteriostat."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.hotus.com*

Product web site: *<http://www.lasplash>.*

Company country: *USA*

Hot tools® Helix™ Flat Iron

Helen of Troy®

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: 2

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Hair straightener.

Antimicrobial Claims

"Hot Tools® is changing the DNA of professional styling appliances with the debut of its new Helix™ Collection featuring innovative NanoSilver technology, which is known to be a natural bacteriostat."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.hotus.com*

Product web site: *<http://www.lasplash.com>*

Company country: *USA*

Hot tools® Helix™ Multi-Function Styling Iron

Helen of Troy®

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Hair multifunction styling iron "This 3-in-1 iron offers superior straightening, curling or beautiful ribbon curls."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Antimicrobial Claims

"Hot Tools® is changing the DNA of professional styling appliances with the debut of its new Helix™ Collection featuring innovative NanoSilver technology, which is known to be a natural bacteriostat."

Jessop, Paula, "Hot Tools Collection," L.A. Splash Magazine, n.d., http://www.lasplash.com/publish/cat_index_Beauty_and_Body/Hot_Tools_Helix_Collection.php (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.hotus.com*

Product web site: *<http://www.lasplash>.*

Company country: *USA*

BIOSILVER

Hyosung

Category: *Cross-cutting*
Subcategory: *Fabric Thread*

Number of associated products: *1*
This product uses: *Nano Magic Silver®*

Product Info

Type/ Form <i>Spun</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It uses "nano-sized silver ions."

Hyosung, "Biosilver," http://pi.hyosung.com/pi_eng/textile/textile/clothing_02.jsp (accessed June 20, 2007).

Synthesis Method

-

Use of Nanotechnology

A fabric product;

"BIOSILVER is made of an anti-bacterial yarn, delivering lasting infection-resistance, deodorization, far-infrared emission, through modified polymer and absorbent & quick-drying properties with the multi-shaped cross-section of a yarn."

Hyosung, "Biosilver," http://pi.hyosung.com/pi_eng/textile/textile/clothing_02.jsp (accessed June 20, 2007).

Recommended Uses

"This product is widely used for sportswear, shirts and hospital gowns."

Hyosung, "Biosilver," http://pi.hyosung.com/pi_eng/textile/textile/clothing_02.jsp (accessed June 20, 2007).

Antimicrobial Claims

"BIOSILVER is a hygiene-related protective product, blened with an anti-bacterial yarn and an anti-bacterial process. This material is a multifunctional textile that contains a variety of functions, including bacteria resistance properties"

"Contains nano-sized silver ions to kill various harmful germs, including staphylococcus, pneumococcus and MRSA"

Hyosung, "Biosilver," http://pi.hyosung.com/pi_eng/textile/textile/clothing_02.jsp (accessed June 20, 2007).

Product Testing Information

-

Company web site: *www.hyosung.com*

Company country: *South Korea*

Product web site: *http://pi.hyosung.com/pi_eng/textile/textile/clothing_02.*

MIPAN Nano Magic Silver®

Hyosung

Category: *Cross-cutting*
Subcategory: *Fabric Thread*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

Silver within a polymer matrix.

Synthesis Method

*"As the anti-microbial substance is mixed into the polymer NANO Magic Silver maintains its functions without any deterioration by repeated washing."
Hyosung, "NANO MAGIC SILVER," http://www.mipan.co.kr/eng/products/magic_silver.html (accessed June 20, 2007).*

Use of Nanotechnology

It is used as a Fiber Product.

"As the size of the additive is extremely small, there is little damage to the machinery during texturing, knitting or weaving. The fiber has been also proven to maintain its anti-bacterial function even after dyeing and finishing process of general nylons."

Hyosung, "NANO MAGIC SILVER," http://www.mipan.co.kr/eng/products/magic_silver.html (accessed June 20, 2007).

Recommended Uses

"Daily Activities & Sports : Sportswear, outdoor wear, sports bags, and running shoes

Intimate Freshness : Lingerie, underwear, stockings, and socks

Clean & Safe Lifestyle : Bedding, towels, dishcloths, and personal sanitary goods

Medical Uses : Hospital and laboratory gowns, clothes for patients, etc."

Hyosung, "NANO MAGIC SILVER," http://www.mipan.co.kr/eng/products/magic_silver.html (accessed June 20, 2007).

Antimicrobial Claims

"Anti-microbial effect, far infrared ray radiation and UV protection."

Hyosung, "NANO MAGIC SILVER," http://www.mipan.co.kr/eng/products/magic_silver.html (accessed January 23, 2008).

Product Testing Information

Tested for the amount of Ag in processed wastewater.

NANO Ag Safety Tests on living thing (FITI), see PDF in company folder in the database.

Company web site: *www.hyosung.com*

Product web site:

Company country: *South Korea*

Air Cleaner

Hyundai Air and Water Technologies

Category: *Appliances*

Number of associated products: 3

Subcategory: *Heating, Cooling and Air*

This product uses: *N/A*

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

The system contains a NANO Silver Composite HEPA Filter.

Recommended Uses

Air purification system.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.hyundaiwaterandair.com*

Company country: *USA*

Product web site:

Laser Travel Mouse with Nano Coating Technology (GME226AW6)

IOGEAR®

Category: *Electronics and Computers*

Subcategory: *Computer Hardware*

Number of associated products: *1*

This product uses: *Nano Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>1 year</i>	

Notes

Structure of Particle and/or Substrate

It is "coated with a Titanium Dioxide (TiO₂) and Silver (Ag) nano-particle compound."

IOGEAR®, "Laser Travel Mouse," <http://www.iogear.com/main.php?loc=product&Item=GME226AW6> (accessed June 4, 2007).

Synthesis Method

-

Use of Nanotechnology

it is used as an antibacterial coating on a plastic product, meant for personal use.

Recommended Uses

A computer mouse meant for use in "medical offices, libraries, and schools as well as for mobile professionals, gamers, and desktop users."

IOGEAR®, "Laser Travel Mouse," <http://www.iogear.com/main.php?loc=product&Item=GME226AW6> (accessed June 4, 2007).

Antimicrobial Claims

"The special Nano coating contains antimicrobial properties built in to protect the product from bacteria surviving on its surface..."

The coating uses two mechanisms to deactivate enzymes and proteins of bacteria from surviving on the surface of the product. The compound has been tested and proven effective against various bacteria.

(Disclaimer: Nano coating properties may not protect users or others against bacteria, viruses, germs, or other disease organisms. This device cannot be used as antibiotic or anti-viral medication. Do not ingest the surface material of the device under any circumstances. If you have symptoms of bacteria or viral infection please consult with your physician and seek medical attention immediately. This device does not eliminate the entire universe of bacteria or viruses. It is not a replacement for cleanliness and good personal hygiene. Please keep your hands and work area clean for optimal protection.)"

IOGEAR®, "Laser Travel Mouse," <http://www.iogear.com/main.php?loc=product&Item=GME226AW6> (accessed June 4, 2007).

Product Testing Information

-

Company web site: *www.iogear.com*

Product web site: *<http://www.iogear.com/main.php?>*

Company country: *USA*

Long Range Mobile Desktop (GKM541RA)

IOGEAR®

Category: *Electronics and Computers*
Subcategory: *Computer Hardware*

Number of associated products: *1*
This product uses: *Nano Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>1 yr</i>	

Notes

Structure of Particle and/or Substrate

It contains titanium dioxide (TiO2) & silver (Ag).

Synthesis Method

-

Use of Nanotechnology

It "is coated with a Titanium Dioxide (TiO2) and Silver (Ag) nano-particle compound."

IOGEAR®, "Long Range Mobile Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM541RA> (accessed June 12, 2007).

Recommended Uses

"Enjoy the freedom of wireless connectivity with IOGEAR's long range wireless keyboard and mouse combo. The 2.4GHz ultra-range multimedia keyboard and optical mouse allow you to work up to 33 feet away from your computer. It is an ideal tool for the meeting room presentation, and for the living room home entertainment needs."

IOGEAR®, "Long Range Mobile Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM541RA> (accessed June 12, 2007).

Antimicrobial Claims

"Nano Shield has been tested and proven effective to protect the product from bacteria surviving on the surface. "

IOGEAR®, "Long Range Mobile Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM541RA> (accessed June 12, 2007).

Product Testing Information

***Test conducted by Japan Food Research Laboratories, Ref# 106063596."*

IOGEAR®, "Long Range Mobile Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM541RA> (accessed June 12, 2007).

Company web site: *www.iogear.com*

Company country: *USA*

Product web site: *<http://www.iogear.com/main.php?>*

Nano Shield

IOGEAR®

Category: *Cross-cutting*
Subcategory: *Coatings*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains titanium dioxide (TiO₂) & silver (Ag).

Synthesis Method

-

Use of Nanotechnology

It "is coated with a Titanium Dioxide (TiO₂) and Silver (Ag) nano-particle compound."

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Recommended Uses

It can be coated on computer devices such as keyboards and mouse attachments.

Antimicrobial Claims

"Nano Shield has been tested and proven effective to protect the product from bacteria surviving on the surface"

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Product Testing Information

*"*Test conducted by Japan Food Research Laboratories, Ref# 106063596."*

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Company web site: *www.iogear.com*

Company country: *USA*

Product web site: *)*

Personal Security Mouse with Nano (GMEFP1W6)

IOGEAR®

Category: *Electronics and Computers*
Subcategory: *Computer Hardware*

Number of associated products: *1*
This product uses: *Nano Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains titanium dioxide (TiO2) & silver (Ag).

Synthesis Method

-

Use of Nanotechnology

"IOGEAR's Personal Security Mouse is coated with a Titanium Dioxide (TiO2) and Silver (Ag) nano-particle compound."

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Recommended Uses

Computer mouse.

Antimicrobial Claims

"The coating uses two mechanisms to deactivate enzymes and proteins to prevent a wide spectrum of bacteria, fungi, and algae from surviving on the surface of the mouse. The compound has been tested and proven effective against the settlement of harmful microbes on the insulated surface."

"Nano Shield has been tested and proven effective to protect the product from bacteria surviving on the surface"

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Product Testing Information

*"*Test conducted by Japan Food Research Laboratories, Ref# 106063596"*

IOGEAR®, "Personal Security Mouse," <http://www.iogear.com/main.php?loc=product&Item=GMEFP1W6> (accessed June 12, 2007).

Company web site: *www.iogear.com*

Company country: *USA*

Product web site: *<http://www.iogear.com/main.php?>*

Wireless Desktop (GKM531RA)

IOGEAR®

Category: *Electronics and Computers*
Subcategory: *Computer Hardware*

Number of associated products: *1*
This product uses: *Nano Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>1 year</i>	

Notes

Structure of Particle and/or Substrate

*It is "coated with a Titanium Dioxide (TiO₂) and Silver (Ag) nano-particle compound."
IOGEAR®, "Wireless Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM531RA> (accessed June 4, 2007).*

Synthesis Method

-

Use of Nanotechnology

it is used as an antibacterial coating on a plastic product, meant for personal use.

Recommended Uses

As a keyboard and mouse for personal, home and office use.

Antimicrobial Claims

99.2% effective against bacterial infections (unofficial claim from interview)

"The coating uses two mechanisms to deactivate enzymes and proteins of bacteria from surviving on the surface of the product. The compound has been tested and proven effective against various bacteria.

(Disclaimer: Nano coating properties may not protect users or others against bacteria, viruses, germs, or other disease organisms. This device cannot be used as antibiotic or anti-viral medication. Do not ingest the surface material of the device under any circumstances. If you have symptoms of bacteria or viral infection please consult with your physician and seek medical attention immediately. This device does not eliminate the entire universe of bacteria or viruses. It is not a replacement for cleanliness and good personal hygiene. Please keep your hands and work area clean for optimal protection."

IOGEAR®, "Wireless Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM531RA> (accessed June 4, 2007).

Product Testing Information

**Test conducted by Japan Food Research Laboratories, Ref# 106063596*

<http://www.jfrl.or.jp/e/index.htm>

"The Ministry of Health, Labour and Welfare (MHLW) accredited our data on imported food as well as pesticides, antibiotics, heavy metals, environmental contaminants, aflatoxin, and food additives.

The U.S. Food Safety Inspection Service (FSIS) has accredited Japan Food Research Laboratories performing analysis of Japanese beef for export, as well as for antibiotics, and pesticides. "

IOGEAR®, "Wireless Desktop," <http://www.iogear.com/main.php?loc=product&Item=GKM531RA> (accessed June 4, 2007).

Company web site: *www.iogear.com*

Company country: *USA*

Product web site: *<http://www.iogear.com/main.php?>*

Wireless Laser Mouse with Nano Coating Technology (GME227RW6)

IOGEAR®

Category: *Electronics and Computers*

Subcategory: *Computer Hardware*

Number of associated products: *1*

This product uses: *Nano Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>1 yr</i>	

Notes

Structure of Particle and/or Substrate

It contains titanium dioxide (TiO2) & silver (Ag).

Synthesis Method

-

Use of Nanotechnology

"IOGEAR's Wireless Laser Mouse is coated with a Titanium Dioxide (TiO2) and Silver (Ag) nano-particle compound. "
IOGEAR®, "Wireless Laser Mouse,"<http://www.iogear.com/main.php?loc=product&Item=GME227RW6> *(accessed June 12, 2007).*

Recommended Uses

Wireless computer mouse.

Antimicrobial Claims

"The coating uses two mechanisms to deactivate enzymes and proteins of bacteria from surviving on the surface of the product. The compound has been tested and proven effective against various bacteria."

"Nano Shield has been tested and proven effective to protect the product from bacteria surviving on the surface."
IOGEAR®, "Wireless Laser Mouse,"<http://www.iogear.com/main.php?loc=product&Item=GME227RW6> *(accessed June 12, 2007).*

Product Testing Information

***Test conducted by Japan Food Research Laboratories, Ref# 106063596."*
IOGEAR®, "Wireless Laser Mouse,"<http://www.iogear.com/main.php?loc=product&Item=GME227RW6> *(accessed June 12, 2007).*

Company web site: *www.iogear.com*

Company country: *USA*

Product web site: *http://www.iogear.com/main.php?*

Cordless Ceramic Flat Iron

ionFX, Inc.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains tourmaline with nano silver.

Synthesis Method

-

Use of Nanotechnology

It uses "nano silver (AG+) tourmaline ceramic infused plates and superior manufacturing process we have created a modern work of art. " ionFX, Inc., "Products," <http://ionfxonline.com/products.htm> (accessed July 9, 2007).

Recommended Uses

Hair iron.

Antimicrobial Claims

"The ceramic plates are infused with tourmaline and nano silver (AG+). Tourmaline is a crystal that when heated naturally emits negative ions that help close the hair cuticle and seal in moisture. Nano silver is literally silver that has been dissected to the point where it atomic structure is one tenth of a diameter of a single hair strand. Nano silver naturally sterilizes and deodorizes pathogens without causing any known harm to the human body. Before the invention of penicillin, silver was extensively used to cure ailments."

ionFX, Inc., "Products," <http://ionfxonline.com/products.htm> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *ionfxonline.com*

Company country: *USA*

Product web site: *<http://ionfxonline.com/products.htm>*

Food Containers

JR Nanotech PLC

Category: Food and Beverage
Subcategory: Storage

Number of associated products: 1
This product uses: NTbase Nanosilver Master Batch

Product Info

Type/ Form Solid	Particle Size -	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains nano silver within a polymer.

Synthesis Method

-

Use of Nanotechnology

This product is derived from NTbase Nano-silver polymer masterbatch and therefore the nano silver is contained within a polymer.

Recommended Uses

Food storage.

Antimicrobial Claims

"Nanosilver is environment friendly, and does not carry any harmful toxin that might be harmful to human body.

Nanosilver has an antibacterial effect which can kill up to 650 different types of bacteria.

Nanosilver has much stronger germicidal capability than those of chloric acid based germicides.

Because Nanosilver is harmless to human body, it is widely used in everyday products such as electronics, antibacterial products, and deodorants.

Nanosilver increases immunity in animals and plants, and it also increases resistance to viruses and bacteria."

NTbase, "The effects of Nanosilver," http://eng.ntbase.net/eng/data/02_na.asp (accessed July 13, 2007).

Product Testing Information

MSDS: NTbase Co.,Ltd. 1135-5 Ingye-dong, Paldal-gu, Suwon-city

82-31-237-8360 Gyeonggi-do, Korea

"Korea Testing & Research Institute For Chemical Industry (KOTRIC) carried out the allergen test, test method - ISO 10993-10:1995(E), on behalf of the nano-silver manufacturer - NT Base in April 2004.

The conclusion was that nano-silver powder did not induce skin sensitisation on albino guinea-pigs."

JR Nanotech PLC, "Allergy test," http://www.jrnanotech.com/allergy_test.html (accessed July 13, 2007).

"LD50 for Nano-Silver

Test carried out on behalf of the principals, by Korea Testing & Research Institute for Chemical Industry (KOTRIC). For full test or any enquiry upon request. info@jrnanotech.com

There were no dead animals tested with the dose of 5g/kg body weight"

JR Nanotech PLC, "Toxicity," <http://www.jrnanotech.com/toxicity.html> (accessed July 13, 2007).

"Purity (American Society for Testing and Materials (ASTM) standard test methods: D1348 and D3516).... Heavy metal residual in nano-silver yarn (ASTM)

* Arsenic (As) <0.06ppm * Cadmium (Cd) <0.05ppm * Mercury (Hg) <0.05ppm * Lead (Pb) 0.3ppm."

JR Nanotech PLC, "Residual," <http://www.jrnanotech.com/residual.html> (accessed July 13, 2007).

Company web site: www.jrnanotech.com

Company country: United Kingdom

Product web site: http://www.jrnanotech.com/consumer_goods.html

SoleFresh™ Nano-silver Socks

JR Nanotech PLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 3
This product uses: NTbase Nanosilver Powder

Product Info

Type/ Form -	Particle Size 25-250 nm	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 50 washes	

Notes

Structure of Particle and/or Substrate

Nano Silver Powder; Ag purity of 99.9%; CAS Number: 7440-22-4.
Socks are 80% Cotton, 20% Elastic yarn and Contains 0.3%w/w nano-silver.
"Particle size of Nano-silver Ranging from 25nm to 250nm."
JR Nanotech PLC, "Nano-Silver," http://www.jrnanotech.com/nano_silver.html (accessed January 31, 2008).

Synthesis Method

-

Use of Nanotechnology

They contain 0.3%w/w nano-silver within the cotton of the sock along with the Nano-Silver Cotton Yarns which also contain Nano-silver 0.3%w/w.

Recommended Uses

Socks.

Antimicrobial Claims

they "Eliminate foot odour, Curing Athlete's Foot, and Prevent foot infection in patients with diabetes."
JR Nanotech PLC, "Socks," <http://www.jrnanotech.com/socks.html> (accessed July 13, 2007).

"Broad spectrum antimicrobial properties of Nano-Silver American Association of Textile Chemists and Colorists (AATCC) Aureobassidium pullulans
Antifungal properties American Association of Textile Chemists and Colorists (AATCC)....
Anti-yeast properties American Association of Textile Chemists and Colorists (AATCC)
Anti-algae properties.... Anti mould and mildew"
JR Nanotech PLC, "Socks," <http://www.jrnanotech.com/antimicrobial.html> (accessed July 13, 2007).

Product Testing Information

MSDS: NTbase Co.,Ltd. 1135-5 Ingve-dong, Paldal-gu, Suwon-city
82-31-237-8360 Gyeonggi-do, Korea
"Korea Testing & Research Institute For Chemical Industry (KOTRIC) carried out the allergen test, test method - ISO 10993-10:1995(E), on behalf of the nano-silver manufacturer - NT Base in April 2004.
The conclusion was that nano-silver powder did not induce skin sensitisation on albino guinea-pigs."
JR Nanotech PLC, "Allergy test," http://www.jrnanotech.com/allergy_test.html (accessed July 13, 2007).

"LD50 for Nano-Silver
Test carried out on behalf of the principals, by Korea Testing & Research Institute for Chemical Industry (KOTRIC). For full test or any enquiry upon request.
info@jrnanotech.com
There were no dead animals tested with the dose of 5g/kg body weight"
JR Nanotech PLC, "Toxicity," <http://www.jrnanotech.com/toxicity.html> (accessed July 13, 2007).
"Purity (American Society for Testing and Materials (ASTM) standard test methods: D1348 and D3516)"
"Heavy metal residual in nano-silver yarn (ASTM)
* Arsenic (As) <0.06ppm * Cadmium (Cd) <0.05ppm * Mercury (Hg) <0.05ppm * Lead (Pb) 0.3ppm"
JR Nanotech PLC, "Residual," <http://www.jrnanotech.com/residual.html> (accessed July 13, 2007).

Company web site: www.jrnanotech.com

Product web site: <http://www.jrnanotech.com/socks.html>

Company country: United Kingdom

Nano-tex Silver Nano-Sock

Lexon Nanotech(LNT), Inc.

Category: *Health and Fitness*

Number of associated products: *1*

Subcategory: *Clothing*

This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>10-30 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>14.6 mg/L</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>100 washes</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"molecularly-bonded and nano sized silver, metal compound, amino acid, glutamic acid, polyh siloxane, cotton, nylon, and others. "
Lexon Nanotech(LNT, Inc., "Nano-tex Nano-Sock," <http://www.lexonnanotech.com/sock.html> (accessed June 12, 2008).

Recommended Uses

Socks

Antimicrobial Claims

"Nano-tex kills athlete's foot germs and staphylococcus, removing odor while keeping feet dry.... Nano-tex works by neutralizing the odor from your feet while wearing the shoes.(odor removal 98%)"
Lexon Nanotech(LNT, Inc., "Nano-tex Nano-Sock," <http://www.lexonnanotech.com/sock.html> (accessed June 12, 2008).

Product Testing Information

Product Test Results available on:

<http://www.lexonkorea.com/eng-site/data/common.jsp>

downloaded test results are in company folder

"Progress Report Card of Chemistry Exam; Fungi-athlete's foot; SGS test report"

Company web site: *[/www.lexonnanotech.com](http://www.lexonnanotech.com)*

Company country: *USA*

Product web site: *<http://www.lexonnanotech.com/sock.html>*

Bio Silver & Bio Shield

LG Electronics Inc.

Category: *Cross-cutting*
Subcategory: *Coatings*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

In the frontload washer, they are "coated by silver nano particles (Ag+)."

In the LG Cyking vacuum cleaner, they are "with nano-sized silver particles coated and melted in keeps various bacteria from breeding. "

In the Side-by-Side refrigerators, the "silver particles coat the interior of LG side by side refrigerator (Bio silver) and the gasket (Bio shield) of the refrigerator. "

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Recommended Uses

Washing machine, bagless vacuum cleaner, refrigerator.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

When silver is set at the state of nano, it produces very powerful sterilization

and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances."

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Product Testing Information

-

Company web site: *www.lge.com*

Company country: *South Korea*

Product web site: *http://www.lge.com/about/press_release/detail/PRE*

Cyking Vacuum Cleaner

LG Electronics Inc.

Category: *Home and Garden*

Subcategory: *Cleaning*

Number of associated products: 3

This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form

Coating

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

In the LG Cyking vacuum cleaner, they are "with nano-sized silver particles coated and melted in keeps various bacteria from breeding. "

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Recommended Uses

Vacuum cleaner.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

When silver is set at the state of nano, it produces very powerful sterilization

and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances."

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Product Testing Information

-

Company web site: *www.lge.com*

Product web site:

Company country: *South Korea*

LG® Antibacterial Mobile Phone

LG Electronics Inc.

Category: *Electronics and Computers*
Subcategory: *Mobile Devices and*

Number of associated products: *1*
This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A silver nano coating is placed on the surface of the phone.

Recommended Uses

Mobile phone.

Antimicrobial Claims

"F2300 from LG Electronics is the first mobile phone on the market with unique Nano Silver antibacterial coating that establishes new cleanliness standards. F2300 is a stylish and compact phone with integrated camera and karaoke function designed to make impression. Benefits are stressed, technical characteristics are explained in detail." LG Electronics Inc. "Cleanliness in Mobile Style: F2300 Phone with Nano Silver Antibacterial Coating," News Archives, May. 30, 2005, http://www.lge.com/about/press_archive/detail/AB_NARCH\MENU_1_5666.jhtml (accessed June 12, 2007).

Product Testing Information

-

Company web site: *www.lge.com*

Product web site: *<http://www.lge.com>*

Company country: *South Korea*

Refrigerator | Bottom Mount

LG Electronics Inc.

Category: *Appliances*

Number of associated products: 2

Subcategory: *Large Kitchen Appliances*

This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form

Coating

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

In the Side-by-Side refrigerators, the "silver particles coat the interior of LG side by side refrigerator (Bio silver) and the gasket (Bio shield) of the refrigerator. " LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Recommended Uses

Refrigerator.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

When silver is set at the state of nano, it produces very powerful sterilization and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances." (LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Product Testing Information

-

Company web site: *www.lge.com*

Company country: *South Korea*

Product web site:

Refrigerator | Side-By-Side

LG Electronics Inc.

Category: *Appliances*

Number of associated products: 3

Subcategory: *Large Kitchen Appliances*

This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"[S]ilver particles coat the interior of LG side by side refrigerator (Bio silver) and the gasket (Bio shield) of the refrigerator."
LG Electronics Inc., "LGE launches a TV refrigerator equipped with digital multimedia features," Press Release, June 7, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_3817_PRE\MENU.jhtml (accessed June 18, 2007).

Recommended Uses

Refrigerator.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

*When silver is set at the state of nano, it produces very powerful sterilization and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances." (retrieved 06.12.2007) from june 28, 2004 press release "Nano technology-applied LG home appliances."
LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).*

Product Testing Information

-

Company web site: *www.lge.com*

Company country: *South Korea*

Product web site:

Refrigerator | Top Mount

LG Electronics Inc.

Category: *Appliances*
Subcategory: *Large Kitchen Appliances*

Number of associated products: *6*
This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

In the Side-by-Side refrigerators, the "silver particles coat the interior of LG side by side refrigerator (Bio silver) and the gasket (Bio shield) of the refrigerator. " LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Recommended Uses

Refrigerator.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

When silver is set at the state of nano, it produces very powerful sterilization and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances."
LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Product Testing Information

-

Company web site: *www.lge.com*
Product web site:

Company country: *South Korea*

Washing Machine

LG Electronics Inc.

Category: *Appliances*

Number of associated products: *1*

Subcategory: *Large Kitchen Appliances*

This product uses: *Bio Silver & Bio Shield*

Product Info

Type/ Form

Coating

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

In the frontload washer, they are "coated by silver nano particles (Ag+)."

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

"LG washing machine takes care of the clothes, it uses Bio Care cycle to get ride of dirt, the drum is covered with nano-silver particles to ensure a better sterilization."

Recommended Uses

Washing machine.

Antimicrobial Claims

"Adopting the silver nano and carbon nano technology to enable LGE to provide breakthrough benefits, such as antibacterial and deodorization features, in air conditioners, refrigerators, vacuum cleaner and washing machines...."

When silver is set at the state of nano, it produces very powerful sterilization

and antibacterial properties. Therefore, nano technology offers a wide variety of applications for home appliances."

LG Electronics Inc., "Nano technology-applied LG home appliances," Press Release, June 28, 2004, http://www.lge.com/about/press_release/detail/PRE\MENU_4035_PRE\MENU.jhtml (accessed June 18, 2007).

Product Testing Information

-

Company web site: *www.lge.com*

Company country: *South Korea*

Product web site:

Look Kirei no Mist

Lion Corporation

Category: *Home and Garden*
Subcategory: *Cleaning*

Number of associated products: 3
This product uses: *N/A*

Product Info

Type/ Form <i>Coating & Spray</i>	Particle Size <i>15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"New disinfectant "silver ion" ingredient: ionized nano-silver particle attached to the surface of alumina-silica just 15 nanometers in diameter."
Lion Corporation, "New Lineup of Three Items Released," Previous Press Releases, (February 1, 2006), <http://www.lion.co.jp/en/press/20060103.htm> (accessed June 18, 2007).

Synthesis Method

-

Use of Nanotechnology

"Just spray and disinfectant silver ions control slime and unpleasant smells around kitchen drains." (for kitchen)
"Just spray and disinfectant silver ions prevent pink slime on bathroom floors, drain outlets and shampoo storage racks and other bathroom-related areas" (for Bathrooms)
"Just spray and disinfectant silver ions prevent unpleasant toilet smells and eliminate odors." (for Toilets)
Lion Corporation, "Look Kirei no Mist," http://www.lion.co.jp/en/products/html/pro_c022.htm (accessed June 18, 2007).
"New disinfectant "silver ion" ingredient: ionized nano-silver particle attached to the surface of alumina-silica just 15 nanometers in diameter."
Lion Corporation, "New Lineup of Three Items Released," Previous Press Releases, (February 1, 2006), <http://www.lion.co.jp/en/press/20060103.htm> (accessed June 18, 2007).

Recommended Uses

As a disinfectant spray.

Antimicrobial Claims

"Just spray and disinfectant silver ions curb gunk and odor caused by bacterial infestation to preserve cleanliness"
Lion Corporation, "Look Kirei no Mist," http://www.lion.co.jp/en/products/html/pro_c022.htm (accessed June 18, 2007).

Product Testing Information

-

Company web site: <http://www.lion.co.jp/en/>

Company country: *Japan*

Product web site: http://www.lion.co.jp/en/products/html/pro_c022.htm

Klenz Nano Cleaning Tool

MAHA Corp.

Category: *Home and Garden*
Subcategory: *Cleaning*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size <i>25 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

"From baby goods to kitchen utensils, you name it. "

B2BGiant.com, "Maha Corp, Klenz Nano Cleaning Tool," http://www.b2bgiant.com/view_details.php?browse=sell&id=18130 (accessed June 19, 2007).

Antimicrobial Claims

"Sterilize and deodorize your shoes with nano silver radical!

Now if you treat the cradle of bacteria and shoes by klenz, athletes foot will be cured.

Multi functional use

Due to non poisonous properties of nano silver, this product can be used for many sterilizing purposes other than shoes....

The nano-silver particles typically measure 25nm and they have extremely large relative surface area, increasing their contact with bacteria or fungi, and improving its bactericidal and fungicidal effectiveness.

The nano-silver when in contact with bacteria and fungus will adversely affect cellular metabolism and inhibit cell growth. The nano-silver suppresses respiration, basal metabolism of electron transfer system, and transport the substrate in the microbial cell

Membrane.

The nano-silver inhibits multiplication and growth of those bacteria and fungi which cause infection, odor, itch and sores. "

B2BGiant.com, "Maha Corp, Klenz Nano Cleaning Tool," http://www.b2bgiant.com/view_details.php?browse=sell&id=18130 (accessed June 19, 2007).

Product Testing Information

-

Company web site: *mahacorp.b2bgiant.com*

Company country: *South Korea*

Product web site: *http://www.b2bgiant.com/view_details.php?*

Curad® Silver Bandages

Medline Industries, Inc.

Category: Medical Applications
Subcategory: Dressing

Number of associated products: 2
This product uses: Beiersdorf AG Silver Technology

Product Info

Type/ Form -	Particle Size -	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"The metallic silver, contained in the polyethylene net in the wound pads."

Stoecklein, Vanessa, "Advances in mass market first aid," Elastoplast, 2007. <http://npa2007.co.uk/business-2007/advances-in-mass-market-first-aid.html> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A polyethylene net is either coated with or spun with silver nanoparticles. Moisture from a wound or gel allows the release and migration of Ag+ into the wound area.

Recommended Uses

Wound care.

Antimicrobial Claims

"New Curad Silver Bandages use silver in the wound pad as a natural antibacterial. Laboratory testing showed that silver reduced bacterial growth like *Stap. aureaus*, *E. coli*, *E. hirae* and *Pseudomonas aeruginosa* - a powerful germ that does not respond to many antibacterials-in the dressing for 24 hours." (retrieved 07.17.2007)

Medline Industries, Inc., "Curad Silver Bandages." http://www.curadusa.com/products/product_info.asp?SubCategoryId=2&ProductCatId=34 (accessed July 17, 2007).

Product Testing Information

-

Company web site: www.medline.com

Company country: USA

Product web site: http://www.curadusa.com/products/product_info.asp?

S-Nano Ionic Ceramic Brushes

Metropolis Technology

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: 6
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Recommended Uses

hair brush

Antimicrobial Claims

"Purifies & Removes Odors from Hair"

Metropolis Technology, "S-Nano Ionic Ceramic Brushes," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology. Bacteria are blocked from contaminating and 'odorizing', providing a safer and cleaner environment in the home and workplace."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Product Testing Information

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Company web site: www.metropolistechnology.com

Company country: *USA*

Product web site: <http://www.metropolistechnology.com/sitelaunch.html>

S-Nano Ionic Digital Iron

Metropolis Technology

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Recommended Uses

hair iron

Antimicrobial Claims

"Purifies & Removes Odors from Hair"

Metropolis Technology, "S-Nano Ionic Digital Iron," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology. Bacteria are blocked from contaminating and 'odorizing', providing a safer and cleaner environment in the home and workplace."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Product Testing Information

-

Company web site: www.metropolistechnology.com

Company country: *USA*

Product web site: <http://www.metropolistechnology.com/sitelaunch.html>

S-Nano Ionic Dryer

Metropolis Technology

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Recommended Uses

Hair dryer.

Antimicrobial Claims

"Purifies & Removes Odors from Hair"

Metropolis Technology, "S-Nano Ionic Dryer," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

"Having these silver ions embedded in our S-Nano tools provides a colorless anti-bacterial armor and enables us to benefit from the sanitizing power of the sophisticated silver nanotechnology. Bacteria are blocked from contaminating and 'odorizing', providing a safer and cleaner environment in the home and workplace."

Metropolis Technology, "S-Nano Silver Nano Products," <http://www.metropolistechnology.com/sitelaunch.html> (accessed July 9, 2007).

Product Testing Information

-

Company web site: www.metropolistechnology.com

Company country: *USA*

Product web site: <http://www.metropolistechnology.com/sitelaunch.html>

Silver Nano Odor Free Rubber Gloves

Misian Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Silver residue is mixed in with the rubber gloves for smoothness, easing the process of taking the gloves on and off."
Misian Co., Ltd., "Rubber Gloves," http://www.misian.com/eng/sub/product_01.html (July 12, 2007).

Recommended Uses

Gloves for cleaning and housework.

Antimicrobial Claims

"Effectiveness of Silver: Odorless, disinfected, and prevents housewives' eczema skin condition."
Misian Co., Ltd., "Rubber Gloves," http://www.misian.com/eng/sub/product_01.html (July 12, 2007).

Product Testing Information

It was "developed with application of Silver Nano Technology, developed by Pohang University of Science and Technology."
"The product is the fruit of 4 years research with consultation by Pohang University of Science and Technology."
Misian Co., Ltd., "Rubber Gloves," http://www.misian.com/eng/sub/product_01.html (July 12, 2007).

Company web site: *www.misian.com*

Product web site: *http://www.misian.com/eng/sub/product_01.html*

Company country: *South Korea*

Ankle Brace

NanBabies™

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Adjustable velcro closures can be adjusted to fit your right or left ankle. "

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Arm Sling

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Our Arm Slings are made out of Polyester and cotton bindings with silver ion fabric lining. Closures will adjust to fit any right or left arm. "

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Athletic Supporter

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Athletic Supporters are made to kill the bacteria that causes jock itch. Made from Cotton, with elastic waist band, lined with silver ion fabric."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Ball Cap

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our ball caps have adjustable velcro closures. The inner band of the cap is lined with Silver ion material. Eliminating the build-up of germs and bacteria, and odors from sweat."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Bandana "Do Rag"

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Head Wraps are made out of cotton materials lined with silver ion fabric. Do Rags are ideal for sports, bike riders, and are even worn by surgeons and medical professionals."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Bio Safe Hand and Face Kit

NanBabies™

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Protect yourself from airbourne virus and bacteria.

Kit contains:

** 1 - 1oz Element 47 Spray*

** 1 - Silver lined face mask*

** 1 - Silver Ion Hand wipe"*

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Boot Liner

NanBabies™

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Our Boot Liners are made out of Nylon, fit up to men's size 12, and can be worn on both left and right feet. "

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Carpal Tunnel Sleeve

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Carpel Tunnel Glove is made out of Spandex, velcro, rubber backing and silver ion fabric lining."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Elbow Sleeve

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Elbow sleeves aid in aches and sores located in the elbow region. Provide light compression and support."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Element 47 Moisturizing Spray

NanBabies™

Category: *Home and Garden*

Subcategory: *Personal Care*

Number of associated products: 2

This product uses: *N/A*

Product Info

Type/ Form <i>Coating & Spray</i>	Particle Size <i>5-10 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

Silver ions and it uses "nanocrystalline silver as well as other chelating agents."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Synthesis Method

-

Use of Nanotechnology

This appears to be a silver ion solution, "this spray uses nanocrystalline silver as well as other chelating agents. These agents increase the conductivity of the ions and allow the spray to have better retention and "staying power" on the skin."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Recommended Uses

"Nanocrystalline silver spray, perfect for cuts and abrasions. Use as deodorant, spray on fabrics or in air to remove odors, mist on plants and flowers to refresh. Safe for all ages, even pets."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Face Mask

NanBabies™

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Face Mask covers the nose and mouth, held in place by elastic ear loops with our patented silver ion fabric. "

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

FootCare Kit

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Complete footcare kit contains:

** 1 pair of bootliner*

** 2 - 1oz Element 47 Sprays*

** 3 packs - Silver Strips (5 strips each)"*

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Handkerchief

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Handkerchiefs are made out of 100% Cotton or Nylon and lined with silver ion fabric."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Knee Brace

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Wrist Braces are made out of an elastic material, velcro and are lined with our silver ion fabric. They can be worn on either the left or right wrists comfortably. "
NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Leg Wrap

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Our Leg Wraps our made out of spandex elastic and lined with silver ion fabric and an adjustable Velcro that can be adjusted to fit any size. "

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Men's Boxers

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Men's Boxers are lined in the waist band and other important areas, available in sizes S-XL"

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

NanBabies™ Silver Ion Material

NanBabies™

Category: *Cross-cutting*
Subcategory: *Fabric Thread*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>5-10 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>100 washes</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

Coating for fabric.

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Company country: *USA*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Shoe Inserts

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Our Shoe inserts are made out of foam cushioning and lined with silver ion fabric that can be worn inside any shoe comfortably. Trim to fit shoes, fits up to size 12." NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Women's Bra

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Women's bras are made in a variety of styles, with and without underwire, nursing and sports bra styles are available. Silver lining options include underwire and full cup. Available in 32A-38C"

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Women's Briefs

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Women's briefs are available in lacey boy cut or cotton briefs. Each style features a silver ion panel for treatment of yeast or odor. Handwash."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Wrist Band

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Wrist Band with velcro closure."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Wrist Brace

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

" Wrist Braces are made out of an elastic material, velcro and are lined with our silver ion fabric. They can be worn on either the left or right wrists comfortably. "
NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Wrist Sleeve

NanBabies™

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *NanBabies™ Silver Ion Material*

Product Info

Type/ Form

Coating

Particle Size

5-10 nm

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

100 washes

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A "silver plated material." (Personal communication)

Recommended Uses

"Wrist Sleeves are made out of spandex material and are lined with silver ion fabric that can be slipped on the left or right wrist comfortably."

NanBabies, "Nanbabies Support Products," <http://nanbabies.com/SupportProductsStore.htm> (accessed June 20, 2007).

Antimicrobial Claims

"Silver science offers several advantages over traditional drug therapy. It works against all types of bacteria and viruses, even killing antibiotic resistant strains as well as all fungal infections. This is the key, because no other single antibiotic works against all types of bacteria."

NanBabies, "Damage Prevention Concept," http://nanbabies.com/How_Products_Work.htm (accessed June 20, 2007).

Product Testing Information

-

Company web site: *nanbabies.com*

Product web site: *<http://nanbabies.com/SupportProductsStore.htm>*

Company country: *USA*

Antibacterial ATM Button

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Bus/MRT Handrail

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial catheter

Nano Care Technology Ltd

Category: Medical Applications

Number of associated products: 1

Subcategory: Devices (Prolonged Contact with a

This product uses: NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating

Product Info

Type/ Form Coating	Particle Size 50 nm	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

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"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: www.nanocaretech.com

Company country: China

Product web site: http://www.nanocaretech.com/En_ArticleShow.asp?

Antibacterial Elevator Handrail

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Handle

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

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"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Kitchenware

Nano Care Technology Ltd

Category: *Food and Beverage*
Subcategory: *Cooking*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

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"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Lift Button

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

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Product Testing Information

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"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Lock

Nano Care Technology Ltd

Category: *Home and Garden*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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Recommended Uses

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"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Make-up Instrument

Nano Care Technology Ltd

Category: Health and Fitness

Subcategory: Personal Care

Number of associated products: 1

This product uses: NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating

Product Info

Type/ Form Coating	Particle Size 50 nm	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

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"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: www.nanocaretech.com

Company country: China

Product web site: http://www.nanocaretech.com/En_ArticleShow.asp?

Antibacterial Orthopaedics Inserted Material

Nano Care Technology Ltd

Category: *Medical Applications*

Subcategory: *Instruments*

Number of associated products: *1*

This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Pay Phone

Nano Care Technology Ltd

Category: *Public*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

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"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

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Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Pet Products

Nano Care Technology Ltd

Category: *Home and Garden*
Subcategory: *Pets*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

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Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Table Ware

Nano Care Technology Ltd

Category: *Food and Beverage*
Subcategory: *Cooking*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

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Antimicrobial Claims

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Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Watch Chain

Nano Care Technology Ltd

Category: *Electronics and Computers*
Subcategory: *Luxury*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

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Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

Antibacterial Water Tap

Nano Care Technology Ltd

Category: *Home and Garden*
Subcategory: *Hardware*

Number of associated products: *1*
This product uses: *NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating*

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>50 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: *www.nanocaretech.com*

Company country: *China*

Product web site: *http://www.nanocaretech.com/En_ArticleShow.asp?*

NTC™ Antimicrobial & Abrasion-resistant Nano Silver Coating

Nano Care Technology Ltd

Category: Cross-cutting
Subcategory: Coatings

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form Coating	Particle Size 50 nm	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

It is applied in a coating of thickness 2.88~3.79 micro meters (average 3.32 micro meters)

"Preferred Substrates: Most solid materials which can stand temperature at least 150 degrees C, such as metal, glass, ceramic, plastic, leather, fiber, stone, rubber, paper, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Recommended Uses

"Typical Applications: Tableware, kitchenware, personal care products, watch accessories, door handles, pet care products, public facilities, etc."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Antimicrobial Claims

"On the completion of four years R&D program, NCT is pleased to introduce a revolutionary nano-silver based patented technology to be applied on the surface of products, providing antibacterial substance and hardness enhancement."

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Product Testing Information

Included in the Fact sheet are a list of "Line Tested Properties" (Adhesion, Pencil Hardness, Acid resistance, Taber abrasion, resistant to corrosion, Dishwasher safe);

"Vickers Hardness Test Results" (Scissors -- Gold, Scissors -- Black); Antimicrobial Test Results (1,2,3); "Antimold Rate"; Antimicrobial Test after Taber Abrasion"; and

"FDA Test for Extractable Lead"

Nano Care Technology Ltd, "Technology," <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43> (accessed June 5, 2007).

Company web site: www.nanocaretech.com

Company country: China

Product web site: <http://www.nanocaretech.com/enyeNewsInfo.asp?id=43>

Nanosil Hairna Essence

Nano Plasma Center Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating & Spray</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Nano silver colloid that is sprayed onto the scalp.

Recommended Uses

"Hairna cleans the cuticle and the scalp, by having Nano minute substance to eradicate germs in the scalp. In addition, Nano silver particles transmit collagen layer germanium which is cell activation substance, to stimulate hair root and inactive cell, so that Hairna is effective for preventing hair loss as well as nourishing and increasing the hair.

How to use

Please shake Hairna and spray the scalp and the entire hair, every morning and evening (after washing and drying the hair). Give a slight massage, using finger or brush for scalp, in order for the product to be easily absorbed."

Nano Plasma Center Co., Ltd., "Application Product," http://www.nanoplasmacenter.com/product/product_e.php (July 3, 2007).

Antimicrobial Claims

"Hairna cleans the cuticle and the scalp, by having Nano minute substance to eradicate germs in the scalp. "

Nano Plasma Center Co., Ltd., "Application Product," http://www.nanoplasmacenter.com/product/product_e.php (July 3, 2007).

Product Testing Information

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Company web site: *www.nanoplasmacenter.com*

Company country: *South Korea*

Product web site: *http://www.nanoplasmacenter.com/product/product_e.*

Nanosil Toothpaste

Nano Plasma Center Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

Product information includes list of active and inactive ingredients: "Activation :Silicondioxide, SMFP (Sodiummonofluorophosphate) Aminocaproic acid; Inactivation : Xylitol, Sodium pyrophosphate, Ag, Eucalyptus oil, PEG1500, Sorbitol, Hydrated silica, Cellulose gum, Flavor, SLS etc."
Nano Plasma Center Co., Ltd., "Application Product," http://www.nanoplasmacenter.com/product/product_e.php (accessed July 3, 2007).

Synthesis Method

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Use of Nanotechnology

Nano silver mixed with toothpaste, ingredients:

"Activation :Silicondioxide, SMFP (Sodiummonofluorophosphate) Aminocaproic acid

Inactivation : Xylitol, Sodium pyrophosphate, Ag, Eucalyptus oil, PEG1500, Sorbitol, Hydrated silica, Cellulose gum, Flavor, SLS etc."

Nano Plasma Center Co., Ltd., "Application Product," http://www.nanoplasmacenter.com/product/product_e.php (accessed July 3, 2007).

Recommended Uses

Toothpaste.

Antimicrobial Claims

"Nanosil substances

1)Bio catalyzer Nano silver

2) Sterilization and antimicrobial actions

3) Affinity for body cell"

Nano Plasma Center Co., Ltd., "Application Product," http://www.nanoplasmacenter.com/product/product_e.php (accessed July 3, 2007).

Product Testing Information

"Consumer Product Testing Co., Inc." results of acute oral toxicity Test are on a certificate in the company folder in the database.

Company web site: www.nanoplasmacenter.com

Company country: *South Korea*

Product web site: http://www.nanoplasmacenter.com/product/product_e.

Silver Nano Powder

Nano Plasma Center Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Powder*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Powder</i>	Particle Size <i>0.3-20 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

*Average Particle Size: 4 nm,
Nano silver purity :99.9 +%
Spherical shape*

Synthesis Method

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Use of Nanotechnology

*"Average particle size determined by HR-TEM."
Nano Plasma Center Co., Ltd., "Nano Powder," http://www.nanoplasmacenter.com/product/product_2_e.php (accessed January 14, 2008).*

Recommended Uses

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Antimicrobial Claims

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Product Testing Information

Product testing done by Nano Plasma Center.

Company web site: *www.nanoplasmacenter.com*

Product web site: *<http://www.nanoplasmacenter.com>.*

Company country: *South Korea*

Nanocid Colloid

Nanocid™

Category: *Cross-cutting*
Subcategory: *Colloid*

Number of associated products: 3
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>100-2000 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

Containing 100 ppm (L100); 200 ppm (L200); & 2000 ppm (L2000) nano silver particles. Nanocid™, "Nanocid L100," <http://www.nanocid.com/> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

A series of colloids containing different concentrations of nano silver.

Recommended Uses

" The L series productions are water based antibacterial and antifungal agents so they can easily get sprayed or mixed with water based paints and glues.... Usage Method: Mixing ratio: 1-10 times by volume "
Nanocid™, "Nanocid L100," <http://www.nanocid.com/> (accessed July 17, 2007).

Antimicrobial Claims

"The L series productions are water based antibacterial and antifungal agents so they can easily get sprayed or mixed with water based paints and glues.... Features
1. Excellent Antibacterial & Antifungal effect
2. Antibacterial durability even after several times washing
3. Not to build up tolerance to the bacteria or fungi
4.Effective even at low concentration "
Nanocid™, "Nanocid L100," <http://www.nanocid.com/> (accessed July 17, 2007).

Product Testing Information

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Company web site: *www.nanocid.com*

Product web site: *www.nanocid.com*

Company country: *Iran*

Nanocid Masterbatch

Nanocid™

Category: *Cross-cutting*
Subcategory: *Master Batch*

Number of associated products: 7
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>300-500 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

*Different forms of polymers, M/B conc. 5000-10000ppm and loading ratio of masterbatch base resin: PP,PE (5-10%), PS, ABS (5%<), PC, Nylon (3~5%), PET (3%<).
"The type of resin and silver concentration can be adjusted upon request from the customers."
Nanocid™, "Antibacterial polymeric master batch," <http://www.nanocid.com/> (accessed July 17, 2007).*

Synthesis Method

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Use of Nanotechnology

*"Different kinds of master batch for using in different types of polymer are produced in this company, using master batch in addition of some side advantages, improve the dispersion of nano materials in all types of polymer by injection system."
Nanocid™, "Antibacterial polymeric master batch," <http://www.nanocid.com/> (accessed July 17, 2007).*

Recommended Uses

*As different types of polymers: PP, PE, PS, ABS, PC, Nylon and PET.
Textiles.*

Antimicrobial Claims

"NanoCid Can Kill these Bacteria : "™, "Nano Silver," <http://www.nanocid.com/> (accessed July 17, 2007).

Product Testing Information

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Company web site: www.nanocid.com

Product web site: www.nanocid.com

Company country: *Iran*

Nanocid Powder

Nanocid™

Category: *Cross-cutting*
Subcategory: *Powder*

Number of associated products: 3
This product uses: *N/A*

Product Info

Type/ Form <i>Powder</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>1-15% Wt</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"TiO₂ as the carrier (sic) core coated with: 1% (P101); 5% (P105) or 10% (P110) Wt of Nano- Silver particles."
Nanocid™, "Nanocid P101," <http://www.nanocid.com/> (accessed July 17, 2007).

Synthesis Method

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Use of Nanotechnology

"Can be added and mixed to many types of material including Polymers, Textiles, Yarn, Paint & etc..."
Nanocid™, "Nanocid P101," <http://www.nanocid.com/> (accessed July 17, 2007).

Recommended Uses

"The P series production can be used as an additive in industrial purposes and due to its excellent mixable property it can be applied to an extended industrial field including Polymers , Paints , Glues , Ceramics Yarns and etc.... Usage Method: Mixing ratio 0.2%-5% Wt ."
Nanocid™, "Nanocid P101," <http://www.nanocid.com/> (accessed July 17, 2007).

Antimicrobial Claims

"The products which P series are added in obtain antibacterial property; hence they can play a great role in both everyday life and specialized fields....
Features
1. Excellent Antibacterial Effect (99% Over) and sterilization, Antifungal effect
2. Antibacterial Durability
3. Not to Build up tolerance to the bacteria "
Nanocid™, "Nanocid P101," <http://www.nanocid.com/> (accessed July 17, 2007).

Product Testing Information

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Company web site: *www.nanocid.com*

Product web site: *<http://www.nanocid.com/>*

Company country: *Iran*

NANOVER™

Nanogist Co., Ltd.

Category: Cross-cutting
Subcategory: Colloid

Number of associated products: 3
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"NANOVER™ is nano silver-based antimicrobial colloid."

"NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

-

Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Skin care, Industrial, House, Medicine, Sterilizer, Plastic, Construction, Antibiotic Fabric

(see saved webpage in applications in the company folder on the database, for specific products)

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVERTM test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVERTM shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVERTM consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/products>.

NANOVER™ AG-Garglin

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Mouth cleanser.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVERTM test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVERTM shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVERTM consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/tooth.htm>

NANOVER™ AG-Mouth Deodorant

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Mouth deodorant spray.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/tooth.htm>

NANOVER™ AG-Toothbrush

Nanogist Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *NANOVER™*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Toothbrush.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: *South Korea*

Product web site: <http://www.nanogist.com/English/products/tooth.htm>

NANOVER™ Body Cleanser

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass." "Nanover™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal: differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm " size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Skin cleanser that:

"* Rich foam removes impurities and horny substance from the skin, while hydrating and conditioning the skin

* Leaves skin which is easy to become dry moist, smooth, and soft

* Protects skin from harmful environment, keeps healthy [and]

* No irritation, excellent cleansing effect using antibiotic, sterilizing Effect of Nanosilver."

Asian Products, "Nanover(Nano silver) body cleanser," [http://www.asianproducts.com/product_2/Nanover\(Nano-Silver\)-Body_P11263299049710159.htm](http://www.asianproducts.com/product_2/Nanover(Nano-Silver)-Body_P11263299049710159.htm) (accessed July 10, 2007).

Antimicrobial Claims

"No irritation, excellent cleansing effect using antibiotic, sterilizing Effect of Nanosilver "

Asian Products, "Nanover(Nano silver) body cleanser," [http://www.asianproducts.com/product_2/Nanover\(Nano-Silver\)-Body_P11263299049710159.htm](http://www.asianproducts.com/product_2/Nanover(Nano-Silver)-Body_P11263299049710159.htm) (accessed July 10, 2007).

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

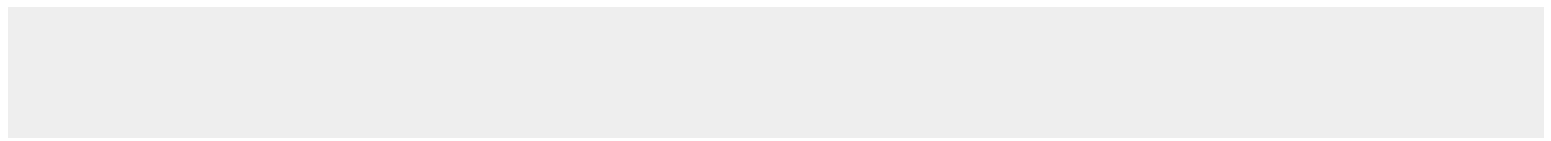
"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: http://www.asianproducts.com/product_2/Nanover



NANOVER™ Cleansing Soap

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form Solid	Particle Size 5 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 6 mo. - 5 yrs	

Notes

Structure of Particle and/or Substrate

"Pure silver of purity 99.9%, Aloe, Vitamin E, Squalene, Herb Extract, 16 kinds of Herb medicine"

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass." "Nanover™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" "size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

"NANOVER™ Cleansing Soap excludes acnes and sebum, and also reduces pores, makes your skin clear. At the same time, through the elimination of skin remnants and waste matter, you can maintain your skin clear, light, and clean.

It shows excellent effects such as an activation of skin cells, an increase of shine and immunity by improvements in skin trouble. It also relieves and restrains deposition of melanin, allergy, diaper eruption, for that it has an effect on discoloration and freckles on the face.

NANOVER™ cleansing soap is good for the people who have atopic skin and women with deep cleansing effect. Differently from general cosmetics, it is non-antiseptic, and never deposited with long time keeping"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/soap.htm> (accessed July 10, 2007).

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

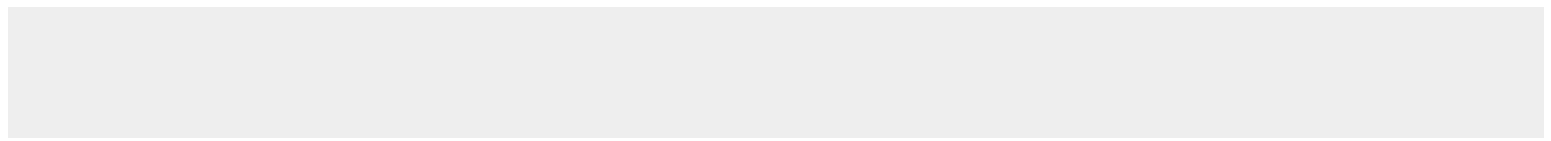
"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007)

Company web site: www.nanogist.com

Product web site: <http://www.nanogist.com/English/products/soap.htm>

Company country: South Korea



NANOVER™ Detergents

Nanogist Co., Ltd.

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 4
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

To be used as a dishwashing detergent, liquid laundry detergent, fabric softener, and multipurpose cleaning agent.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.asianproducts.com/showproducts.php?>

NANOVER™ Disinfectant Spray

Nanogist Co., Ltd.

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

" NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

"Outstanding effect due to various virus such as mold

- Perfectly removes odor through isolation of habitats of various virus such as mold

- Far superior deodorization effect than general deodorizer due to colorlessness, odorless

- Longer deodorization effect than general deodorizer"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/spray.htm> (accessed January 14, 2007).

Antimicrobial Claims

"Outstanding effect due to various virus such as mold

- Perfectly removes odor through isolation of habitats of various virus such as mold"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/spray.htm> (accessed January 14, 2007).

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.asianproducts.com/showproducts.php?>

NANOVER™ Hair Gel

Nanogist Co., Ltd.

Category: Health and Fitness

Subcategory: Personal Care

Number of associated products: 1

This product uses: NANOVER™

Product Info

Type/ Form Liquid	Particle Size 5 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 6 mo. - 5 yrs	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Hair styling gel.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/shampoo>.

NANOVER™ Hair Mousse

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"Nanover™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Hair styling mousse.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/shampoo>.

NANOVER™ Hair Spray

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form Coating & Spray	Particle Size 5 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 6 mo. - 5 yrs	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"
"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."
" NANOVER™ is nano silver-based antimicrobial colloid."
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."
"Antibiotic & Sterilizing effec as metal:
differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVER™ particle is 2nm~10nm"
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Hair spray.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."
Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).
"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).
"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.
Specially, it killed 99.8% of MRSA within 10 seconds."
Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/shampoo>.

NANOVERT™ Hair Wax

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVERT™

Product Info

Type/ Form Solid	Particle Size 5 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 6 mo. - 5 yrs	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVERT™ is not Ag ion, but metallic nanoparticles"
"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."
"NANOVERT™ is nano silver-based antimicrobial colloid."
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVERT™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."
"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVERT™ is nano-sized which is shorter than 1nm"
"size of NANOVERT™ particle is 2nm~10nm"
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Hair styling wax.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."
Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).
"NANOVERT™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).
"Generally, when killing microorganism needs a few minutes to several hours, however NANOVERT™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."
Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVERT™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVERT™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVERT™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/shampoo>.

NANOVER™ Hand Sanitizer

Nanogist Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: 3
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Hand sanitizer.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration.

Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: *South Korea*

Product web site: <http://www.nanogist.com/korea/products/hand.htm>

NANOVER™ Make Up

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Cosmetics

Number of associated products: 6
This product uses: NANOVER™

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
Liquid	5 nm	Nano	Yes
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	6 mo. - 5 yrs	

Notes

Structure of Particle and/or Substrate

"NANOVER is an antimicrobial colloid composed of silver nanoparticles stabilized by a polymer and exhibits excellent antimicrobial efficacy to a wide spectrum of microorganisms."

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effec as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm" "size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Make up: foundation, lip gloss, face powder.

Antimicrobial Claims

"NANOVER is an antimicrobial colloid composed of silver nanoparticles stabilized by a polymer and exhibits excellent antimicrobial efficacy to a wide spectrum of microorganisms. Micro-organisms, also known as microbes or germs, include bacteria, fungi and algae, and are found everywhere on earth. In some situations microbes can cause a variety of problems, such as leading to foul odors, discoloration and formation of bio-film, degrading and corroding of the material, even food poisoning."

Asian Products, "Nanover(Nano Silver) Cosmetics / Skin Care / Make Up," http://www.asianproducts.com/showproducts.php?item_id=P11263283259973830&pic=big (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.asianproducts.com/showproducts.php?>

NANOVER™ Mask Pack

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Cosmetics

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>30 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Nano Silver(30 ppm) : Silver particle (Ag) in nano size having the antibiotic efficacy of Silver itself preserved without any change of its property # Phyto Collagen : Supply of protein into the skin. # Aloe Vera Gel : Outstanding effects on making the skin whitening and activating. # Sodium Hyaluronate : Moisture preserved effect of Mask Pack and a close skin adherence. # Green Tea & Chamomile Extract : Making the skin nourished and relieved. # Fragrance : Very small amount of Natural Aroma."

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal:

differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm" " size of NANOVERTM particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

It should be used for: "# Antibiosis # Pore reduction # Skin Trouble Free # Moisture reservation # Function of Whitening # Skin contaminant absorption # Strengthening skin immunity function # Joint use by men & women # Convenient to use."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/mask.htm> (accessed July 10, 2007).

Antimicrobial Claims

"A purity of 99.9% Nano silver particle dismantled as the colloidal state in pure non-compound distilled water is a catalyst that lowers the power of element controlling the metabolism of the single cell animals (bacteria, virus, fungi, etc.) and disinfects it. Also, it has a merit of acting fast and critically only on parasitic materials such as bacteria & other diseases.

Therefore, almost diseases can not survive contacted with silver.

The most important thing is that ?silver? cannot have a tolerance of a bacteria different from traditional antibiotic materials; therefore, we can use it with assurance"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/mask.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/mask.htm>

NANOVER™ Shampoo & Conditioner

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"
"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."
"NANOVER™ is nano silver-based antimicrobial colloid."
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ Shampoo using nanosilver technology, ingredients go into hair quickly and deeply, has outstanding moisturizing and dandruff removing effect. It also protects scalp, and gives hair elasticity."
"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."
"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"
"size of NANOVER™ particle is 2nm~10nm"
Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Shampoo and conditioner.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."
Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).
"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).
"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."
Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."
Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/shampoo>.

NANOVER™ Toothpaste

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Nanosilver, silicon dioxide, sodium monofluorophosphate, sodium fluoride, sodium chloride, tetrasodium pyrophosphate anhydrous, protein silver, xylitol, chitosan, propolis, etc."

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVER™ is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

"Prevent gums inflammation, periodontitis, periodontal disease as sterilizing and disinfecting the bacilli that is a major cause for all gums disease by pure silver powder of purity 99.99% included in the toothpaste, which is known as excellent nature antibiotics against each pathogenic organ such as virus, bacilli and colitis germs."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/tooth.htm> (accessed July 10, 2007).

Antimicrobial Claims

"Prevent gums inflammation, periodontitis, periodontal disease as sterilizing and disinfecting the bacilli that is a major cause for all gums disease by pure silver powder of purity 99.99% included in the toothpaste, which is known as excellent nature antibiotics against each pathogenic organ such as virus, bacilli and colitis germs."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/tooth.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/English/products/tooth.htm>

NANOVER™ Wet Tissue

Nanogist Co., Ltd.

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: NANOVER™

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>5 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>6 mo. - 5 yrs</i>	

Notes

Structure of Particle and/or Substrate

"Nano-Silver-Titanium-Dioxide NANOVER™ is not Ag ion, but metallic nanoparticles"

"Since the size of Entire Nano particle including Nano Silver particle is average 5nm, has high bulk rate and surface area rate with same mass."

"NANOVER™ is nano silver-based antimicrobial colloid."

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Synthesis Method

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Use of Nanotechnology

"NANOVER™ (final nanoparticles) consists of several smaller nanoparticles, called primary nanoparticles."

"Antibiotic & Sterilizing effect as metal: differently from other metal or general silver, since NANOVERTM is nano-sized which is shorter than 1nm"

"size of NANOVER™ particle is 2nm~10nm"

Nanogist Co., Ltd., "Nanosilver," <http://www.nanogist.com/English/products/products.htm> (accessed July 10, 2007).

Recommended Uses

Cleaning wipes.

Antimicrobial Claims

"Nano-Silver-Titanium-Dioxide not only can kill 99.9% bacteria, fungi & virus, but also give a very long time (6 months to 5 years) disinfections effect."

Nanogist Co., Ltd., "Nano Technology," <http://www.nanogist.com/English/nano/nt.htm> (accessed July 10, 2007).

"NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

"Generally, when killing microorganism needs a few minutes to several hours, however NANOVER™ eliminated 99.9% of MRSA within 1 minute at 10ppm concentration. Specially, it killed 99.8% of MRSA within 10 seconds."

Nanogist Co., Ltd., "Antibiotic Mechanism," <http://www.nanogist.com/English/nano/mech.htm> (accessed July 10, 2007).

Product Testing Information

"In the result of NANOVER™ test for 400 days, it shows stable distribution chart in colloid state.... Silver particle and Silver ion coexist in Nano condition, it doesn't mass without coating silver particle, and stable in Polymer.... NANOVER™ shows antibiotic and sterilizing effect in lower than 10ppm concentration, when producing application products, possible to produce transparent product.... Research and development institute of NANOVER™ consists of 9 professorates of POSTECH and 2 professorates of Medical school of Kyoungpuk University, also is equipped with world grade experiment materials, and can produce variety of products in collaboration with research center of many companies."

Nanogist Co., Ltd., "What is Nanosilver?," <http://www.nanogist.com/English/nano/silver.htm> (accessed July 10, 2007).

Company web site: www.nanogist.com

Company country: South Korea

Product web site: <http://www.nanogist.com/korea/products/tissue.htm>

SmartSilver™

NanoHorizons Inc.

Category: Cross-cutting
Subcategory: Fabric Thread

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

"SmartSilver is available in Masterbatch, CottonPro, Staple Fiber and Polyurethane" ~10-15nm on average but on brochure says 19nm Nanohorizons Inc., "SmartSilverTM," <http://mag1.olivesoftware.com/am/welcome/VTC/VTC-2004-12.asp> (accessed July 3, 2007). and Nanohorizons Inc., "SmartSilver Brochure PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Synthesis Method

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Use of Nanotechnology

Nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced." ('Understanding SmartSilver Antimicrobial Fiber Technology' Document) Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

"SmartSilver is available in Masterbatch, CottonPro, Staple Fiber and Polyurethane"

Nanohorizons Inc., "SmartSilverTM," <http://mag1.olivesoftware.com/am/welcome/VTC/VTC-2004-12.asp> (accessed July 3, 2007).

Recommended Uses

In the fabrication of fabrics.

"SmartSilver's nanotechnology gives your products improved functionality, fabric quality and the anti-odor benefits your customers want:

- * Unmatched anti-odor performance
- * Maintains hand, dye, wicking, stretch of your fabrics
- * Cost-effective"

Nanohorizons Inc., "SmartSilver Brochure PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Antimicrobial Claims

"SmartSilver: The Smarter Anti-Odor and Antimicrobial Answer "

Nanohorizons Inc., "SmartSilver Brochure PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Product Testing Information

"NAMSAs, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynebacterium diphtheriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSAs tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.nanohorizons.com

Company country: USA

Product web site: <http://www.nanohorizons.com/prodSmartSilver.shtml>

Cosil Whitening mask

Natural Korea Co.,Ltd

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

Nano-colloidal silver.

Synthesis Method

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Use of Nanotechnology

"As a mask pack made with 99.99% Nano-Colloidal Silver, it is a chemical free mask using the antibacterial function and whitening effect."

Natural Korea Co.,Ltd, "Cosil Whitening Mask," <http://www.naturalkorea.co.kr/> (accessed June 27, 2007).

Recommended Uses

Cleansing face mask.

Antimicrobial Claims

"For the unicellular animals (bacteria, virus, fungi, etc.), Nano-silver acts as a catalyst by overpowering the digestive enzymes. As a result, it disinfects and controls the metabolism. Additionally, it has a merit of acting critically only on parasitic materials, such as bacteria and germs. Therefore, most germs cannot survive when contacted with Nano Silver ion."

Natural Korea Co.,Ltd, "Cosil Whitening Mask," <http://www.naturalkorea.co.kr/> (accessed June 27, 2007).

Product Testing Information

On the products page they have links to "Reports"

this includes: "- Cosil Mask Pack proves to be a 99.9% disinfectant against Staphylococcus and Escherichia coli, tested by FITI Testing and Research Institute

- Nano-colloidal Silver (Ag) contained in Cosil Mask Pack is proven to be a safe (non-toxic) material by a result of toxicity test carried out by FDA certified laboratories (RCH Pharmaceutical and Cosmetic Analytical Laboratories).

- Nano-Colloidal Silver (Ag) contained in Cosil Mask Pack is clinically tested by both men and women and proven to be safe as shown in the test result issued by FITI Testing and Research Institute."

Natural Korea Co.,Ltd, "Cosil Whitening Mask Report," <http://www.naturalkorea.co.kr/> (accessed June 27, 2007).

Company web site: www.naturalkorea.co.kr

Product web site: <http://www.naturalkorea.co.kr/>

Company country: *South Korea*

Nano Cosil Beauty Soap

Natural Korea Co.,Ltd

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

Nano-colloidal silver.

Synthesis Method

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Use of Nanotechnology

Nano colloid in a soap.

Recommended Uses

"Cosil Nano Beauty Soap thoughly cleanses inside the pores to tone and even out skin for its radian appearance."

Natural Korea Co.,Ltd, "Cosil nano beauty soap," <http://www.naturalkorea.co.kr/> (accessed June 27, 2007).

Antimicrobial Claims

"A newly innovated product from Silver Biotechnology, Nano Silver shows it competence as a disinfectant by eliminating bacteria and germs causing common skin troubles such as pimples and acne."

Natural Korea Co.,Ltd, "Cosil nano beauty soap," <http://www.naturalkorea.co.kr/> (accessed June 27, 2007).

Product Testing Information

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Company web site: *www.naturalkorea.co.kr*

Product web site: *www.naturalkorea.co.kr*

Company country: *South Korea*

Argentyn 23™

Natural-Immunogenics Corp.

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>0.8 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>23 ppm</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

"96% active silver"

Natural-Immunogenics Corp., "Argentyn23™ Brochure," <http://www.natural-immunogenics.com/argentyn23.php> (accessed July 17, 2007).

Synthesis Method

"A proprietary electrolysis process yielding over 96% active silver"

Natural-Immunogenics Corp., "Argentyn23™ Brochure," <http://www.natural-immunogenics.com/argentyn23.php> (accessed July 17, 2007).

"Electrolytic Method" from PDF "Oligodynamic Ag+: The Active Ingredient in Sovereign Silver and Argentyn 23 From Natural-Immunogenics Corp." (see company folder in the database)

Use of Nanotechnology

Colloidal silver in pure water.

Recommended Uses

Recommended uses include: "support for immune health," "may promote WBC surveillance," and "has been shown to modulate events which are immune offensives, such as promoting superoxide release, supporting healthy regulation of toxicants, and promoting healthy enzyme mediation from exogenous sources."

Natural-Immunogenics Corp., "Argentyn23™ Brochure," <http://www.natural-immunogenics.com/argentyn23.php> (accessed July 17, 2007).

Antimicrobial Claims

"Since ancient times silver has been highly regarded as a premier preservative and immune tool. In ancient Greece, Rome, Phoenicia and Macedonia, silver was used extensively to help control many immune challenges." Natural-Immunogenics Corp., "Argentyn23™ Brochure," <http://www.natural-immunogenics.com/argentyn23.php> (accessed July 17, 2007).

Product Testing Information

"[H]as completed the Chromosomal Aberrations Screening (CHO Cells) Assay through Covance Laboratories, Inc. Results clearly demonstrated no toxicity. (Ref: Assay No. 24742-0-437 SC; Study No. 7417-101.)"

"[H]as completed the Ames Confirmatory Mutagenicity Assay through Covance Laboratories, Inc. Results clearly revealed no toxicity. (Ref: Assay No. 24742-0-409 OECD; Trial No. C1.)"

"Product Cytotoxicity Tests: Argentyn 23™ underwent a murine Acute Oral Toxicity Study (LD50) with Covance Laboratories, Inc. (ref: 24742-0-800). The result revealed absolutely no harmful affects to mammalian tissue at a dosage of 20mL/kg. While murine tissue is not identical to human tissue, the test suggests that 1400cc ingested at one time by a 154 lb adult is not medically harmful."

Natural-Immunogenics Corp., "Argentyn23™ Brochure," <http://www.natural-immunogenics.com/argentyn23.php> (accessed July 17, 2007).

Company web site: www.natural-immunogenics.com

Company country: USA

Product web site: <http://www.natural-immunogenics.com/argentyn23.php>

Sovereign Silver™

Natural-Immunogenics Corp.

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>0.8 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>10 ppm</i>	Rate of Ag+ Release <i>9.47 mg/l</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

*There is a particle size of 0.8 nm, "ultra-pure silver" colloid in "ultra-pure water."
Natural-Immunogenics Corp., "Why Sovereign Silver," http://www.natural-immunogenics.com/silver_why_sovereign.php (accessed July 17, 2007).
The speciation shows a "picoscalar, oligodynamic, silver ion (95.74% Ag+)" from Univ. of Miami Final Report (see company folder in the database)*

Synthesis Method

"Electrolytic Method" from PDF "Oligodynamic Ag+: The Active Ingredient in Sovereign Silver and Argentyn 23 From Natural-Immunogenics Corp." (see company folder in the database)

Use of Nanotechnology

*"Made with ultra-pure, medical-grade water (the only other ingredient)."
Natural-Immunogenics Corp., "Why Sovereign Silver," http://www.natural-immunogenics.com/silver_why_sovereign.php (accessed July 17, 2007).
"Naturally bio-available (based on particle size and dispersion)."*

Recommended Uses

*It is recommended as a supplement to promote good health.
"The reason for this wide-spread application is because of nanotechnology's influence upon silver's well-established (A) biological catalytic activity which may excite higher life forms into maximal states of immune function when the silver is in an oligodynamic state,1, 2, 3, 4 and (B) its physical characteristics which establishes that it possesses the greatest electrical and thermal conductivity of all metals while possessing the lowest contact resistance.5"
Natural-Immunogenics Corp., "The Benefits of Silver," http://www.natural-immunogenics.com/silver_benefits.php (accessed July 17, 2007).*

Antimicrobial Claims

*"The use of silver as a respected preservative, disinfectant, regenerative agent and immune support mineral dates back thousands of years."
Natural-Immunogenics Corp., "Sovereign Silver™ Brochure," http://www.natural-immunogenics.com/silver_why_sovereign.php (accessed July 17, 2007).*

Product Testing Information

*"Furthermore, we have submitted our own products and that of several competitive products to the Electron Microscopy lab at the University of Miami Medical School for qualified 3rd party evaluation."
Natural-Immunogenics Corp., "Unique Silver Species," http://www.natural-immunogenics.com/silver_comparison.php (accessed July 17, 2007).*

Company web site: www.natural-immunogenics.com
Product web site: <http://www.natural-immunogenics.com>

Company country: USA

Silvix3®

NaturalCare®

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains purified silver 50 micrograms. The recommended serving is (serving size = 1 tsp. (5ml)) and it contains 48 servings per container.

Synthesis Method

"The patented electro-engineered process creates a silver particle that is far smaller than those in colloidal silver products. "
NaturalCare® "Silvix3®," http://www.enaturalcare.com/prod_silv.html (accessed July 9, 2007).

Use of Nanotechnology

"Silvix 3 is the silver supplement that goes beyond colloidal silver. The patented electro-engineered process creates a silver particle that is far smaller than those in colloidal silver products. "
NaturalCare® "Silvix3®," http://www.enaturalcare.com/prod_silv.html (accessed July 9, 2007).

Recommended Uses

"The Advanced Electro-Engineered Silver Dietary Supplement"*
"For daily immune defense, especially in the cold and flu season, use Silvix 3."
NaturalCare®, "Silvix3®," http://www.enaturalcare.com/prod_silv.html (accessed July 9, 2007).

Antimicrobial Claims

"This purified silver solution has demonstrated significant anti-bacterial and anti-fungal effects as a surface disinfectant and in vitro."*
NaturalCare®, "Silvix3®," http://www.enaturalcare.com/prod_silv.html (accessed July 9, 2007).

Product Testing Information

-

Company web site: www.enaturalcare.com

Company country: USA

Product web site: http://www.enaturalcare.com/prod_silv.html

NTbase Nanosilver Colloidal

NT Base Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Colloid*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i>~25-100 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

The particle size is estimated from a SEM image.

Synthesis Method

-

Use of Nanotechnology

Silver is in a colloid.

Recommended Uses

-

Antimicrobial Claims

-

Product Testing Information

CSI (Purity Test);

Korea Testing & Research Institute for Chemical Industry (Skin Irritation Test; Acute Systemic Toxicity; Sensitization)

Company web site: *www.ntbase.net*

Company country: *South Korea*

Product web site: *http://eng.ntbase.net/eng/business/02 np 02.asp?*

NTbase Nanosilver Master Batch

NT Base Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Master Batch*

Number of associated products: 7
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>4000 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It is available in different models: MB-PP (Mixing Ratio(wt %) 5~10); MB-PET (5~10); MB-PETG (5~10); MB-HDPE (5~10); MB-LDPE (5~10); MB-PC (5~10); MB-NYLON (5~10).

Synthesis Method

-

Use of Nanotechnology

Nano silver is contained within different polymers.

Recommended Uses

-

Antimicrobial Claims

-

Product Testing Information

CSI (Purity Test);

Korea Testing & Research Institute for Chemical Industry (Skin Irritation Test; Acute Systemic Toxicity; Sensitization).

NT Base Co., Ltd., "Test results, Purity Test," http://eng.ntbase.net/eng/data/051_na.asp (accessed July 13, 2007).

Company web site: *www.ntbase.net*

Company country: *South Korea*

Product web site: *http://eng.ntbase.net/eng/business/03_pp.asp*

NTbase Nanosilver Powder

NT Base Co., Ltd.

Category: Cross-cutting
Subcategory: Powder

Number of associated products: 2
This product uses: N/A

Product Info

Type/ Form Powder	Particle Size 25-250 nm	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag 10.49 g/cm ³	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

List of properties: Purity 99.99%; Model NP-S150: Density 10.49g/cm³, Specific surface area 4.032m²/g, Average particle size - By volume : 150nm±10% - By area : 100nm±10% - By number : 60nm±10%
JR Nanotech uses this product and provided more specific detail on the particle size range. "Particle size of Nano-silver Ranging from 25nm to 250nm."
JR Nanotech PLC, "Nano-Silver," http://www.jrnanotech.com/nano_silver.html (accessed January 31, 2008).

Synthesis Method

Begin with the "Raw Material (granule)" to "Refine Process (purity control)" to "Metal Wire" to "Wire Electric Explosion" to "Nano powder separation" and finally a characteristic analysis.
NT Base Co., Ltd., "What is Nanotechnology?," http://eng.ntbase.net/eng/data/01_magic.asp (accessed July 13, 2007).

Use of Nanotechnology

Nanosilver powder is produced for multiple applications.

Recommended Uses

A list of reasons to use this product:

1. Low Price.
2. High Purity. (more than 99.99%)
3. Easy application due to its dispersible property for any uses.
4. Controllable concentration level according to appropriate uses.
5. In 100% Nanopowder condition.
6. Environment friendly product.
7. Prevents discoloration of the product even above 1,000 ppm concentration."

NT Base Co., Ltd., "Nano silver/ powder," http://eng.ntbase.net/eng/business/01_powder.asp?block=1 (accessed July 13, 2007).

Antimicrobial Claims

"Nanosilver is environment friendly, and does not carry any harmful toxin that might be harmful to human body.

Nanosilver has an antibacterial effect which can kill up to 650 different types of bacteria.

Nanosilver has much stronger germicidal capability than those of chloric acid based germicides.

Because Nanosilver is harmless to human body, it is widely used in everyday products such as electronics, antibacterial products, and deodorants.

Nanosilver increases immunity in animals and plants, and it also increases resistance to viruses and bacteria." (retrieved 07.13.2007 from http://eng.ntbase.net/eng/data/02_na.asp)

NT Base Co., Ltd., "Nano silver/ the effects of Nanosilver," http://eng.ntbase.net/eng/data/02_na.asp (accessed July 13, 2007).

Product Testing Information

CSI (Purity Test);

Korea Testing & Research Institute for Chemical Industry (Skin Irritation Test; Acute Systemic Toxicity; Sensitization)

Company web site: www.ntbase.net

Company country: South Korea

Product web site: http://eng.ntbase.net/eng/business/01_powder.asp?

NTbase Nanosilver Textile Master Batch

NT Base Co., Ltd.

Category: *Cross-cutting*
Subcategory: *Master Batch*

Number of associated products: 2
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>10,000 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It is available in different models: MB-NYLON (Mixing Ratio(wt %) 10); MB-PET (10).

Synthesis Method

-

Use of Nanotechnology

Nano silver is contained within different polymers.

Recommended Uses

For use in Textiles.

Antimicrobial Claims

-

Product Testing Information

CSI (Purity Test);

Korea Testing & Research Institute for Chemical Industry (Skin Irritation Test; Acute Systemic Toxicity; Sensitization).

NT Base Co., Ltd., "Test results, Purity Test," http://eng.ntbase.net/eng/data/051_na.asp (accessed July 13, 2007).

Company web site: *www.ntbase.net*

Company country: *South Korea*

Product web site: *http://eng.ntbase.net/eng/business/23_nylon.asp*

SILCRYST™

NUCRYST Pharmaceuticals Corp.

Category: Medical Applications
Subcategory: Coatings

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Coating</i>	Particle Size <i>1-100 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>7 days</i>	

Notes

Structure of Particle and/or Substrate

A silver nanocrystalline coating.

Synthesis Method

Through reactive magnetron sputtering (a type of physical vapor deposition).

Use of Nanotechnology

"These silver atoms are then re-condensed to form new high-energy nanocrystalline structures on substrates - such as high-density polyethylene for non-adherent wound care dressings. NUCRYST has also developed proprietary methods to produce free-standing nanocrystalline powders.... Compared to bulk material silver, NUCRYST's silver in nanocrystalline form is in a higher energy state and exhibits enhanced solubility."

NUCRYST Pharmaceuticals Corp., "Nanocrystalline Technology," http://www.nucryst.com/platform_technology.htm (accessed June 4, 2008).

Recommended Uses

Used in Acticoat™ antimicrobial barrier dressings for medical applications.

Antimicrobial Claims

"Bacterial reduction - Smith and Nephew's Acticoat™ dressings with SILCRYST™ nanocrystals have demonstrated a broad antimicrobial spectrum and kill rate in in vitro studies, inhibiting a wide range of pathogens, including drug-resistant bacteria such as methicillin-resistant Staphylococcus aureus (MRSA) and vancomycin-resistant enterococcus (VRE)."

NUCRYST Pharmaceuticals Corp., "SILCRYST Medical Coating," http://www.nucryst.com/acticoat_dressings.htm (accessed June 4, 2008).

Product Testing Information

"Laboratory studies of NPI 32101 have demonstrated significant anti-inflammatory and antimicrobial properties that have the potential to treat a variety of disease conditions. NUCRYST is developing pharmaceutical products to extend its nanocrystalline silver technology to the treatment of disease conditions with an inflammatory and/or infectious component."

NUCRYST is conducting preclinical research on the use of NPI 32101 for the treatment of gastrointestinal conditions such as inflammatory bowel disease and is exploring other promising therapeutic areas."

NUCRYST Pharmaceuticals Corp., "SILCRYST Medical Coating," http://www.nucryst.com/pharmaceutical_apps.htm (accessed June 4, 2008).

Company web site: www.nucryst.com

Company country: USA

Product web site: http://www.nucryst.com/silcrist_division.htm

Cor Soap

Plank™

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

6-9 months

Notes

Structure of Particle and/or Substrate

Ingredients: silver, silica, collagen, chitosan, and sericin.

Synthesis Method

-

Use of Nanotechnology

The colloidal silver is used in conjunction with silica, collagen, chitosan. and sericin to form a facial / body soap.

Recommended Uses

Facial soap.

Antimicrobial Claims

"The particles of Cor soap's active ingredients are dramatically reduced in size, reaching deep below the surface, killing bacteria, minimising wrinkles, moisturising and feeding vital nutrients to the skin...."

Silver is fast emerging as one of the best antibacterial agents. It also has healing properties which speeds the growth and repair of cells."

Plank™, "Silver Series," http://www.plankdesigns.com/product_cor_soap.html# (accessed June 5, 2007).

Product Testing Information

-

Company web site: *www.plankdesigns.com*

Company country: *USA*

Product web site: *http://www.plankdesigns.com/product_cor_soap.html#*

Boy Beater Tank

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 8
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft 2x1 Rib tank is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft 2x1 Rib tank is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSAs, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynebacterium diptheriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSAs tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Women>

Cap Sleeve Crop 'T'

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 8
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft 1x1 baby rib crew neck shirt is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft 1x1 baby rib crew neck shirt is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diphteriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Women>

Funshort

Pooghe Laundry LLC

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: 3
This product uses: *SmartSilver™*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft and very comfortable 1x1 baby rib short is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6 ounce. "

Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft and very comfortable 1x1 baby rib short is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6 ounce. "

Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diptheriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

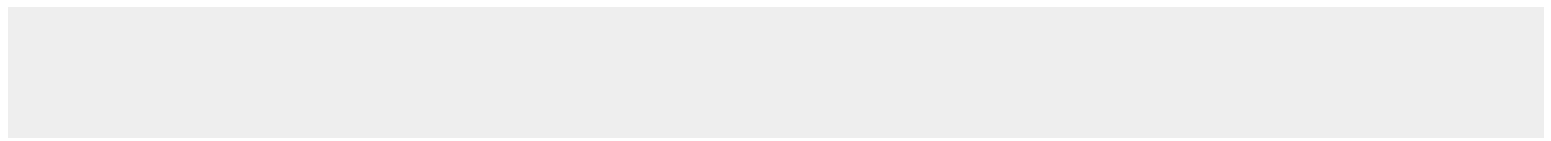
The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: *www.pooghe.com*

Company country: *USA*

Product web site: *<http://www.pooghe.com/store/index.php?cat=Women>*



Retro Cap Sleeve

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 8
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our durably soft Retro Cap Sleeve shirt is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. "

Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our durably soft Retro Cap Sleeve shirt is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. "

Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diptheriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Women>

Socks- Black

Pooghe Laundry LLC

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *SmartSilver™*

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft 100% Ring Spun Premium Cotton Crew Sock made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology."
Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Men> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft 100% Ring Spun Premium Cotton Crew Sock made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology."
Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Men> (accessed July 3, 2007).

Product Testing Information

"NAMSAs, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynebacterium diphtheriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSAs tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: *www.pooghe.com*

Company country: *USA*

Product web site: *<http://www.pooghe.com/store/index.php?cat=Men>*

Spaghetti Top

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 4
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft 1x1 baby rib spaghetti tank is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft 1x1 baby rib spaghetti tank is made SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diphteriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Women>

T-shirt

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 8
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

*The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."
Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).*

Recommended Uses

*"Our soft 100% Cotton Jersey Knit Premium T-Shirt made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology."
Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Men> (accessed July 3, 2007).*

Antimicrobial Claims

*"Our soft 100% Cotton Jersey Knit Premium T-Shirt made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology."
Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Men> (accessed July 3, 2007).*

Product Testing Information

*"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diphteriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing
The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."*

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Men>

Thong

Pooghe Laundry LLC

Category: Health and Fitness
Subcategory: Clothing

Number of associated products: 3
This product uses: SmartSilver™

Product Info

Type/ Form <i>Spun</i>	Particle Size <i>10-15 nm</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

Cotton with nano silver additives

Synthesis Method

-

Use of Nanotechnology

The nanoparticles "are also chemically and permanently bonded to the fibers that are being enhanced."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Recommended Uses

"Our soft 1x1 baby rib thong is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Antimicrobial Claims

"Our soft 1x1 baby rib thong is made with SmartSilver™ Anti-Odor/ Antimicrobial Nanotechnology with pre-shrunk 100% 30 single combed ring spun cotton 6.2 ounce. " Pooghe Laundry LLC, "Pooghe," <http://www.pooghe.com/store/index.php?cat=Women> (accessed July 3, 2007).

Product Testing Information

"NAMSA, an independent biomedical testing company, exposed two common microbes to fabric made with SmartSilver antimicrobial-enhanced fibers: corynbacterium diphteriae (commonly called diphtheria and known as a foot-area bacterium) and staphylococcus aureus (commonly called staph and present throughout the body). These microbes were chosen because they are a common source of unpleasant odor in clothing

The NAMSA tests were performed on enhanced polyester and enhanced cotton, which offers everything that people have come to love about cotton, plus compelling antimicrobial properties. We know of no competition for our pure cotton offering, so we could not compare this directly to any other claims in the industry. The test results showed exceptional effectiveness against both staph and diphtheria - results at least as good as those produced by competitive offerings such as silver-coated nylon wire."

Nanohorizons Inc., "Understanding SmartSilver Antimicrobial Fiber Technology PDF," <http://www.smartsilveronline.com.SSmanufacturers.shtml> (accessed January 15, 2008).

Company web site: www.pooghe.com

Company country: USA

Product web site: <http://www.pooghe.com/store/index.php?cat=Women>

Hot Tub Silver

Purest Colloids, Inc.

Category: *Home and Garden*
Subcategory: *Cleaning*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <i><0.65 nm</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

"True colloidal silver. Colloid means silver particles, not silver ions."

Purest Colloids, Inc., "Colloidal Silver-MesoSilver® Brand Colloidal Silver" <http://www.purestcolloids.com/mesosilver.htm> (accessed January 14, 2008).

Synthesis Method

-

Use of Nanotechnology

Silver particles are suspended in water, "Concentrated Colloidal Silver."

Purest Colloids, Inc., "MesoSilver® Order Page," http://www.purestcolloids.com/mesosilver_price_list.htm#mesosilvergallons (accessed January 14, 2008).

Recommended Uses

"This product is for treating your hot tub, it is not for human consumption... # Replaces hot tub chemicals; # Treats a 440 gallon hot tub."

Purest Colloids, Inc., "MesoSilver® Order Page," http://www.purestcolloids.com/mesosilver_price_list.htm#mesosilvergallons (accessed January 14, 2008).

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.purestcolloids.com*

Company country: *USA*

Product web site: *http://www.purestcolloids.com/mesosilver_price_list.*

Mesosilver® Brand Colloidal Silver

Purest Colloids, Inc.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: 5
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size <0.65 nm	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>20 ppm (min)</i>	Rate of Ag+ Release -	Expected Lifetime <i>infinite shelf life</i>	

Notes

Structure of Particle and/or Substrate

"True colloidal silver. Colloid means silver particles, not silver ions....

Highest nanoparticle concentration, 80% particles (typical). "

Purest Colloids, Inc., "Colloidal Silver-MesoSilver® Brand Colloidal Silver" <http://www.purestcolloids.com/mesosilver.htm> (accessed January 14, 2008).

Synthesis Method

-

Use of Nanotechnology

Silver particles are suspended in water.

Recommended Uses

"Dosage

The dosage for Mesosilver is typically between one teaspoon (5mL) and one tablespoon (15ml) daily to help maintain health. Up to one tablespoon taken 4 times per day may be taken to help fortify the immune system when needed. Actual dosage will vary based on individual needs.

A 500 mL bottle will provide three months supply when used at a dosage of one teaspoon per day."

Purest Colloids, Inc., "Colloidal Silver-MesoSilver® Brand Colloidal Silver" <http://www.purestcolloids.com/mesosilver.htm> (accessed January 14, 2008).

Antimicrobial Claims

"Because of the research showing colloidal silver's superior performance in fighting microbes, it has attracted the attention of leading scientists and medical researchers throughout the world....

According to experts, no microorganism ever tested has been able to stay alive for more than six minutes when exposed directly to colloidal silver....

In laboratory tests with colloidal silver, bacteria, viruses, and fungal organisms are killed within minutes of contact. Larry C. Ford, M.D. of the Department of Obstetrics and Gynecology, UCLA School of Medicine, Centre For The Health Sciences reported in November 1, 1988, 'I tested them (the silver solutions) using standard anti-microbial tests for disinfectants. The silver solutions were anti-bacterial for concentrations of 105 organisms per ml of Streptococcus Pyogenes, Staphylococcus Aureus, Neisseria Gonorrhea, Gardnerella Vaginalis, Salmonella Typhi and other enteric pathogens, and fungicidal for Candida Albicans, Candida Globata and M. Furfur.' "

Purest Colloids, Inc., "A Brief History of The Health Support Uses of Silver" <http://www.purestcolloids.com/history-silver.htm> (accessed June 19, 2007).

Product Testing Information

Testing "Size Distribution Report by Volume" Colloidal Science Laboratory, Inc. Westampton, NJ (see company folder in the database)

Company web site: www.purestcolloids.com

Company country: *USA*

Product web site: <http://www.purestcolloids.com/mesosilver.htm>

Air-conditioning Filters

Quan Zhou Hu zheng Nano Technology Co., Ltd.

Category: *Appliances*

Number of associated products: *1*

Subcategory: *Heating, Cooling and Air*

This product uses: *N/A*

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Description of product on a translated website from Chinese, '[s]praying through nano-silver, nano-silver antibacterial plastic masterbatch injection, nano-silver vacuum coating, and other formats.'

Quan Zhou Hu zheng Nano Technology Co., Ltd., "Air conditioning filter liquied antibacterial deodorant spray," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D112&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Recommended Uses

Air-conditioning filters.

Antimicrobial Claims

According to a translated website from Chinese, it 'has antibacterial, anti-mold, with the exception of smell, is harmless to the human body and other characteristics.'

Quan Zhou Hu zheng Nano Technology Co., Ltd., "Air conditioning filter liquied antibacterial deodorant spray," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D112&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Product Testing Information

-

Company web site: *www.nano-cn.com*

Company country: *China*

Product web site: *<http://translate.google.com/translate?u=http%3A%2F>*

Nano-silver Storage Box (Baoxianan)

Quan Zhou Hu zheng Nano Technology Co., Ltd.

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	<i>Nano</i>	<i>No</i>
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	-	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Description of product on a translated website from Chinese, "the nano-silver Baoxianan using nano-silver technology, added to the Baoxianan, has bactericidal function." Quan Zhou Hu zheng Nano Technology Co., Ltd., "Nano-silver Baoxianan," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D116&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Recommended Uses

According to a translated website from Chinese, "nano-silver Baoxianan using nano-silver technology, added to the Baoxianan, has bactericidal function, Preservation achieve real results, seal performance and specifications, complete, and can preserve fruits, dry goods, vegetables, fruit juice and other foodstuffs. also can be stored silver jewelry, clothing pasteurization and sealed demanding items."

Quan Zhou Hu zheng Nano Technology Co., Ltd., "Nano-silver Baoxianan," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D116&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Antimicrobial Claims

'3. Sterilization good antibacterial function."

Quan Zhou Hu zheng Nano Technology Co., Ltd., "Nano-silver Baoxianan," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D116&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Product Testing Information

-

Company web site: *www.nano-cn.com*

Company country: *China*

Product web site: *<http://translate.google.com/translate?u=http%3A%2F>*

Nano-silver Toothpaste

Quan Zhou Hu zheng Nano Technology Co., Ltd.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Nano

Is the use disperseve?

Yes

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Toothpaste.

Antimicrobial Claims

Available english translation of a chinese website: "antibacterial, sterilization. kill all oral bacteria and viruses. prevention of periodontitis, halitosis, and other diseases. protection gum, teeth whitening."

Quan Zhou Hu zheng Nano Technology Co., Ltd., "Nano-silver toothpaste," <http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D111&langpair=zh-CN%7Cen&hl=en&ie=UTF8> (accessed July 12, 2007).

Product Testing Information

-

Company web site: *www.nano-cn.com*

Product web site: *<http://translate.google.com/translate?u=http%3A%2F%2Fwww.nano-cn.com%2Fview.asp%3Fprono%3D111&langpair=zh-CN%7Cen&hl=en&ie=UTF8>*

Company country: *China*

Silver 22

RBC Life Sciences, Inc.

Category: Food and Beverage
Subcategory: Supplements

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>22 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

A colloid in water, using 110 mcg purified silver (container: 120ml).

Synthesis Method

"RBC's Silver 22 is nanoscale in size, is prepared by a unique, patented process."

RBC Life Sciences, Inc., "Silver 22," <http://813312.royalbodycare.com/Products.aspx?ItemID=430> (accessed July 3, 2007).

Use of Nanotechnology

As a colloidal silver in pure water.

Recommended Uses

"As a liquid or a spray."

RBC Life Sciences, Inc., "Silver 22," <http://813312.royalbodycare.com/Products.aspx?ItemID=430> (accessed July 3, 2007).

Antimicrobial Claims

"Silver has been used for its purifying and preservative properties by many cultures throughout history. The Greeks used silver vessels to keep water and other liquids fresh. In the late 1800's and early 1900's silver was used for its germicidal properties."

RBC Life Sciences, Inc., "Silver 22," <http://813312.royalbodycare.com/Products.aspx?ItemID=430> (accessed July 3, 2007).

Product Testing Information

*"Today, silver is popular among alternative medicine enthusiasts because of many positive personal reports and some impressive research results. **

** This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease."*

RBC Life Sciences, Inc., "Silver 22," <http://813312.royalbodycare.com/Products.aspx?ItemID=430> (accessed July 3, 2007).

Company web site: www.rbclifesciences.com

Company country: USA

Product web site: <http://813312.royalbodycare.com/Products.aspx?>

Hair Irons

S E International

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *5*

This product uses: *N/A*

Product Info

Type/ Form

Coating

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A nano-silver spray coats the entire iron.

Recommended Uses

Hair straightener/ hair iron.

Antimicrobial Claims

" Nano-silver spray

Nano-silver is sprayed on the whole surface of the body for sterilization and anti-electromagnetic wave, and the product looks more luxurious."

S E International, "Hair Irons UHS-6300," <http://goodsei.en.ecplaza.net/catalog.asp?DirectoryID=96097&CatalogID=360733> (accessed June 12, 2007).

Product Testing Information

-

Company web site: *www.goodsei.com*

Product web site: *<http://goodsei.en.ecplaza.net/catalog.asp?>*

Company country: *South Korea*

Notebook

Samsung Corporation

Category: *Electronics and Computers*
Subcategory: *Computer Hardware*

Number of associated products: 2
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Silver nano is coated on the notebook.

Recommended Uses

Laptop / notebook.

Antimicrobial Claims

"Silver Nano technology takes advantage of the anti-bacteria properties of silver to protect computer users from potentially harmful germs, moulds and bacteria. It is applied as a high-tech coating on the Q40's keyboard and palm rest."
Samsung Corporation, "Samsung Unveils SSD-enabled Q40 Notebook," Samsung Press Center, Febuary, 15, 2007. http://www.samsung.com/he/presscenter/pressrelease/pressrelease_20070215_0000324173.asp (accessed July 12, 2007).

Product Testing Information

-

Company web site: *www.samsungcorp.co.kr*

Product web site: *<http://www.samsung.com>*

Company country: *South Korea*

Samsung Split Type Air Conditioner

Samsung Corporation

Category: *Appliances*

Number of associated products: 9

Subcategory: *Heating, Cooling and Air*

This product uses: *Silver Nano Health System™*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

It uses silver ions and resin material.

Samsung Corporation, "Samsung Silver Nano Technology," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

Synthesis Method

-

Use of Nanotechnology

"Samsung has found a solution in the safety of silver, ionizing silver into ions for an effective coating that lets your home appliances remain remarkably free of bacteria and odors."

"Not only does the nano size allow the silver Ag+ ions to easily penetrate cells of microorganisms, but the positive charge increases surface area and even draws the negatively charged elements toward them increasing their ability to affect more molecules."

Samsung Corporation, "Samsung Silver Nano Technology," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

Recommended Uses

Air conditioner.

Antimicrobial Claims

Current products do not have any advertising for antibacterial, but the discontinued versions state:

"Silver Nano Anti-Bacterial Filter, Silver Nano Evaporator" or "Silver Nano Anti-Bacterial Filter"

Samsung Corporation, "Legacy Models," <http://www.samsung.com/ph/products/airconditioner/legacymodels/as18wjwbxtc.asp> (accessed July 12, 2007).

Product Testing Information

"Testing by Kyoto microbe Lab resulted in a certificate of disinfection. This two-way testing involved the growing of germs and penetrating them with Silver Nano particles and applying Silver Nano particles to each part of the air conditioner to go through the air-flow for 24 hours."

Samsung Corporation, "FAQ: Air Conditioner," <http://www.samsung.com/sg/silvernano/site.html> (accessed July 12, 2007).

Company web site: *www.samsungcorp.co.kr*

Company country: *South Korea*

Product web site: *<http://www.samsung.com>*

Samsung Window Type Air Conditioner

Samsung Corporation

Category: *Appliances*
Subcategory: *Heating, Cooling and Air*

Number of associated products: *16*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Silver Nano Filter

Silver Nano Evaporator"

Samsung Corporation, "Window Type," <http://www.samsung.com/ph/products/airconditioner/windowtype/index.asp> (accessed July 12, 2007).

Recommended Uses

Air conditioner.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.samsungcorp.co.kr*

Product web site: *<http://www.samsung>.*

Company country: *South Korea*

Silver Nano Health System™

Samsung Corporation

Category: *Cross-cutting*
Subcategory: *Large Kitchen Appliances*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

Silver ions.

Synthesis Method

-

Use of Nanotechnology

"Samsung has found a solution in the safety of silver, ionizing silver into ions for an effective coating that lets your home appliances remain remarkably free of bacteria and odors.... Not only does the nano size allow the silver Ag+ ions to easily penetrate cells of microorganisms, but the positive charge increases surface area and even draws the negatively charged elements toward them increasing their ability to affect more molecules."

Samsung Corporation, "Samsung Silver Nano Technology," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

Recommended Uses

Appliances.

Antimicrobial Claims

"Silver Nano ions have proven their ability to sterilize over 650 types of bacteria and serve a better world up to you in style. Recent advancements in technology and increased consumer demand for health-promoting products are giving rise to many new items that use silver for highly effective sanitization so Samsung has developed a silver spoon for your appliances"

Samsung Corporation, "Samsung Silver Nano Technology," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

"The Silver Nano Health System™ is a comprehensive system developed by Samsung to improve your quality of life by eliminating bacteria from by the places that count most. Despite our hopes, the appliances we rely on often become breeding grounds for very bacteria and odors we hope to remove. Samsung has found a solution in the safety of silver, ionizing silver into ions for effective coating that lets your home appliances remain remarkably free of bacteria and odors.

Can you believe this? A washing machine that really, as in, really cleans clothes, zipping bacteria and germs by as much as 99.9% and it doesn't need any special germ busting detergent or powder. Yes, Samsung did this! Imagine 400 billion silver ions dissolved in water to make a super cleaning solution that affects your clothes on an almost molecular. Samsung's Silver Wash is an advanced washer with superb bacteria killing capabilities. Its ability to eliminate 99.99% of bacteria will redefine your idea of immaculate. "

Samsung Corporation, "SAMSUNG ELECTRONICS DIGITAL APPLIANCE BUSINESS FEATURES THE HOME OF TOMORROW" from Philippines May 04,2005 /SEC http://www.samsung.com/ph/presscenter/samsunginthephilippines/productnews_20050504_0000119216.asp (accessed July 12, 2007).

Product Testing Information

FAQ for Silver:

"Toxicology Test Results indicated no harmful effects in an Oral Test with mice. And NASA still uses silver to maintain water purity on the space shuttle. It is equally safe for children, pregnant omen and the elderly"

"In fact, silver solutions have been reported to improve the healing of 'indolent wounds' and to 'regenerate damage tissue.' The following chart from Harvard Medical School summarizes the properties of silver." (chart not shown on web site)

"Pure silver does not cause skin allergies. Skin allergies are caused by silver impurities rather than silver itself. Samsung's Ag+ system only uses the purest silver and it will not be a cause of skin allergies. Dermatological Test results showed that the cloth treated with colloidal silver did not show a negative impact on human skin."

(misspellings are as on original web sites)
Samsung Corporation, "Samsung Silver Nano Technology FAQ," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

Company web site: www.samsungcorp.co.kr

Company country: *South Korea*

Product web site:

Silver Nano Refrigerator | 2-Door

Samsung Corporation

Category: *Appliances*

Number of associated products: 2

Subcategory: *Large Kitchen Appliances*

This product uses: *N/A*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime <i>permanent</i>	

Notes

Structure of Particle and/or Substrate

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Synthesis Method

-

Use of Nanotechnology

"Odor particles are filtered through silver nano particles, decomposing and deodorizing unpleasant odors."

Samsung Corporation, "2-Door, RT45EAMT," http://www.samsung.com/he/products/refrigerator/2_door/rt45eamt1xsh.asp (accessed July 12, 2007).

Recommended Uses

Keeping natural flavor in a refrigerator.

Antimicrobial Claims

"Odor particles are filtered through silver nano particles, decomposing and deodorizing unpleasant odors."

Samsung Corporation, "2-Door, RT45EAMT," http://www.samsung.com/he/products/refrigerator/2_door/rt45eamt1xsh.asp (accessed July 12, 2007).

Product Testing Information

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Company web site: www.samsungcorp.co.kr

Company country: *South Korea*

Product web site: <http://www.samsung>.

Silver Nano Refrigerator | Side by Side

Samsung Corporation

Category: *Appliances*
Subcategory: *Large Kitchen Appliances*

Number of associated products: *11*
This product uses: *Silver Nano Health System™*

Product Info

Type/ Form <i>Coating</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It uses silver ions.

Samsung Corporation, "Samsung Silver Nano Technology," <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007).

Synthesis Method

-

Use of Nanotechnology

"a Silver Nano coating to the inner surfaces of Silver Nano refrigerators As air circulates, the coated surfaces allow the Silver ions to control the airborne bacteria"

"Apart from the shelves, fruit and vegetable crispers, the whole inner surface of the refrigerator is plated with a Silver Nano solid layer."

Samsung Corporation, "Side by Side," <http://www.samsung.com/sg/silvernano/site.html> (accessed July 12, 2007).

"Samsung has found a solution in the safety of silver, ionizing silver into ions for an effective coating that lets your home appliances remain remarkably free of bacteria and odors."

"Not only does the nano size allow the silver Ag+ ions to easily penetrate cells of microorganisms, but the positive charge increases surface area and even draws the negatively charged elements toward them increasing their ability to affect more molecules."

Samsung Corporation "Samsung Silver Nano Technology" <http://www.samsung.com/ph/silvernano/> (accessed July 12, 2007)

Recommended Uses

refrigerator

Antimicrobial Claims

"Sophisticated nano-technology has allowed Samsung to apply a Silver Nano coating to the inner surfaces of Silver Nano refrigerators for an overall antibacterial and antifungal effect.... When germs come into contact with the wall, the Ag+ particles inhibit their respiration" (retrieved 07.12.2007)

Product Testing Information

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Company web site: *www.samsungcorp.co.kr*

Product web site:

Company country: *South Korea*

Nano Silver Anti-bacterial Baby Bottle Brush

Sang Shin Industrial Co., Ltd.

Category: *Home and Garden*
Subcategory: *Cleaning*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

*"All our brushes for cleaning purposes are made with either PBT-based (Poly Butylene Terephthalate) bristles or anti-bacterial sponges."
Sang Shin Industrial Co., Ltd., "Baby Feeding Bottle Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).*

Synthesis Method

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Use of Nanotechnology

*"All our brushes for cleaning purposes are made with either PBT-based (Poly Butylene Terephthalate) bristles or anti-bacterial sponges."
Sang Shin Industrial Co., Ltd., "Baby Feeding Bottle Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).*

Recommended Uses

Brushes to clean both baby bottles, water bottles and baby bottle nipples.

Antimicrobial Claims

*"Silver(Ag+) has been known since ancient times to be effective in fighting bacteria and fungus, while delivering natural sterilization and detoxification.... Sang Shin is also using the benefits of silver in developing our new concept, Nano Silver, and have applied this technology in manufacturing our brush products."
Sang Shin Industrial Co., Ltd., "Baby Feeding Bottle Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).*

Product Testing Information

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Company web site: *www.i-sangshin.com*

Product web site: *<http://www.i-sangshin.com/>*

Company country: *South Korea*

Professional Hair Brush

Sang Shin Industrial Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

The technology is explained as "Nano Silver (Ag+)." They produce the bristles "by mixing Nylon 66 raw materials and anti-bacterial Nano Silver materials." Sang Shin Industrial Co., Ltd., "Professional Hair Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).

Synthesis Method

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Use of Nanotechnology

"Using Nano Silver technology, Sang Shin is producing high-quality brush bristles for your healthy hair. To accomplish this, we produce brush bristles by mixing and processing Nylon 66 raw materials and anti-bacterial Nano Silver materials." Sang Shin Industrial Co., Ltd., "Professional Hair Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).

Recommended Uses

Hair brush.

Antimicrobial Claims

"Silver(Ag+) has been recognized since ancient times as a substance with natural benefits to prevent bacteria and fungus, to sterilize and to detoxify. Taking full advantage of those benefits, Sang Shin is applying the new concept technology called 'Nano Silver' to our brush products." Sang Shin Industrial Co., Ltd., "Professional Hair Brush," <http://www.i-sangshin.com/> (accessed June 21, 2007).

Product Testing Information

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Company web site: *www.i-sangshin.com*

Product web site: *<http://www.i-sangshin.com/>*

Company country: *South Korea*

Contour-Foam™

Sharper Image Corporation

Category: *Cross-cutting*
Subcategory: *Bedding / Pillows*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"“Contour-Foam™ Silver is Sharper Image's exclusive space-age viscoelastic foam material that responds to your body's shape, weight and warmth to form a custom cradle of uniform support — free of pressure points. In quality and comfort, it is equal of nationally advertised brands costing much more — plus it's infused with silver for its antibacterial benefits!”

Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Recommended Uses

It is found in their products ranging from pillows to shoes.

Antimicrobial Claims

"Silver — yes, the actual metal found in silverware — is naturally anti-mite, anti-mold, anti-microbe, and it fights odors too. In particle form, silver is a safe, medically proven antibacterial agent with ions that interfere with the respiratory metabolism of microbes."

Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*

Product web site:

Company country: *USA*

Contour-Foam™ Crescent Travel & Nap Pillow

Sharper Image Corporation

Category: *Home and Garden*
Subcategory: *Bedding / Pillows*

Number of associated products: *1*
This product uses: *Contour-Foam™*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

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Synthesis Method

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Use of Nanotechnology

"Ultra-fine silver particles are infused throughout Sharper Image's exclusive space-age Contour-Foam Silver products. "
Sharper Image, "Contour-Foam™ Silver Cresent Travel and Nap Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5096/> (accessed January 24, 2008).

Recommended Uses

"[F]or your head and neck when napping around the house or traveling around the world. "
Sharper Image, "Contour-Foam™ Silver Cresent Travel and Nap Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5096/> (accessed January 24, 2008).

Antimicrobial Claims

"Silver — yes, the actual metal found in silverware — is naturally anti-mite, anti-mold, anti-microbe, and it fights odors too. In particle form, silver is a safe, medically proven antibacterial agent with ions that interfere with the respiratory metabolism of microbes."
Sharper Image, "Contour-Foam™ Silver Cresent Travel and Nap Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5096/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*

Product web site:

Company country: *USA*

Contour-Foam™ Silver Back-Support Pillow

Sharper Image Corporation

Category: Home and Garden

Subcategory: Bedding / Pillows

Number of associated products: 1

This product uses: Contour-Foam™

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Ultra-fine silver particles are infused throughout Sharper Image's exclusive space-age Contour-Foam Silver products. "

Sharper Image, "Contour-Foam™ Silver Back-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5097/> (accessed January 24, 2008).

Recommended Uses

Back support pillow.

Antimicrobial Claims

"Silver — yes, the actual metal found in silverware — is naturally anti-mite, anti-mold, anti-microbe, and it fights odors too. In particle form, silver is a safe, medically proven antibacterial agent with ions that interfere with the respiratory metabolism of microbes."

Sharper Image, "Contour-Foam™ Silver Back-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5097/> (accessed January 24, 2008).

Product Testing Information

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Company web site: www.sharperimage.com

Product web site:

Company country: USA

Contour-Foam™ Silver Neck-Support Pillow

Sharper Image Corporation

Category: *Home and Garden*
Subcategory: *Bedding / Pillows*

Number of associated products: 4
This product uses: *Contour-Foam™*

Product Info

Type/ Form <i>Solid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Ultra-fine silver particles are infused throughout Sharper Image's exclusive space-age Contour-Foam Silver products. "
Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Recommended Uses

"“Contour-Foam™ Silver is Sharper Image's exclusive space-age viscoelastic foam material that responds to your body's shape, weight and warmth to form a custom cradle of uniform support — free of pressure points."
Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Antimicrobial Claims

"Silver — yes, the actual metal found in silverware — is naturally anti-mite, anti-mold, anti-microbe, and it fights odors too. In particle form, silver is a safe, medically proven antibacterial agent with ions that interfere with the respiratory metabolism of microbes."
Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*
Product web site:

Company country: *USA*

Contour-Foam™ Slipper Sandals

Sharper Image Corporation

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *Contour-Foam™*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Ultra-fine silver particles are infused throughout Sharper Image's exclusive space-age Contour-Foam Silver products. " (from other Contour-Foam Example)
Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Recommended Uses

"# Countour-Foam® insoles respond to your foot's shape, weight and warmth to provide pressure-free support.
Designed for men and women, Zoree sandals feature faux suede straps and durable molded outer soles that can be worn indoors or out."
Sharper Image, "Contour-Foam Slipper Sandals," http://www.sharperimage.com/us/en/catalog/product/sku__ZN023SML/_loopback__1 (accessed January 24, 2008).

Antimicrobial Claims

"Silver — yes, the actual metal found in silverware — is naturally anti-mite, anti-mold, anti-microbe, and it fights odors too. In particle form, silver is a safe, medically proven antibacterial agent with ions that interfere with the respiratory metabolism of microbes." (from other Contour-Foam Example)
Sharper Image, "Contour-Foam™ Silver Neck-Support Pillow," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5095/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*
Product web site:

Company country: *USA*

Contour-Foam™ Slippers

Sharper Image Corporation

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *Contour-Foam™*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Sharper Image's new Contour-Foam™ Silver slippers feature insoles of viscoelastic foam that's infused with microscopic particles of silver."
Sharper Image, "Contour-Foam™ Silver Slippers," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5094/> (accessed January 24, 2008).

Recommended Uses

"# Unisex slippers with heat-sensitive Contour-Foam insoles respond to your body's shape, weight and warmth to mold a custom cradle of pressure-free support.
Synthetic, suede-look uppers are stain resistant; soft chenille lining keeps feet warm and dry; polyurethane outer soles are for indoor and outdoor wear."
Sharper Image, "Contour-Foam™ Silver Slippers," http://www.sharperimage.com/us/en/catalog/product/sku__ZN016SML (accessed June 7, 2007).

Antimicrobial Claims

It is "the antibacterial product of the latest nanotechnology. These ultra-fine silver nanoparticles cannot be seen or felt but they really enhance these slippers by killing or reducing the growth of odor-causing bacteria and of fungus that can irritate your skin."
Sharper Image, "Contour-Foam™ Silver Slippers," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5094/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*
Product web site:

Company country: *USA*

FresherLonger™ Miracle Food Storage

Sharper Image Corporation

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Sharper Image originally claimed that the nano silver was infused into the product.

Recommended Uses

Food storage for home use.

Antimicrobial Claims

"Sharper Image's exclusive FresherLonger™ Miracle Food Storage Containers are made of specially treated air- and odor-impermeable polypropylene and they feature a patent-pending, airtight silicone-gasket locking system that helps prevent spoilage. The containers are spillproof, shatterproof and safe for the dishwasher, microwave and fridge. They help prevent freezer burn too! The translucent containers' rectangular shape makes for efficient storage; they have snap closures on all four sides for extra security. 90-day warranty."

Sharper Image, "FresherLonger™ Miracle Food Storage," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5171/> (accessed January 24, 2008).

Product Testing Information

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Company web site: *www.sharperimage.com*

Product web site:

Company country: *USA*

FresherLonger™ Plastic Storage Bags

Sharper Image Corporation

Category: Food and Beverage
Subcategory: Storage

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	Nano	No
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	-	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Sharper Image originally claimed that the nano silver was infused into the product.

Recommended Uses

"FresherLonger™ plastic storage bags feature a specially treated material and an air-locking zip-top seal to extend the shelf life of lettuce, fresh herbs, spinach, green beans, cucumbers, broccoli, carrots, celery — all kinds of vegetables as well as fruits and meats. Wash and reuse these bags as often as you like!"

Sharper Image, "FresherLonger™ Plastic Storage Bags," http://www.sharperimage.com/us/en/catalog/productdetails/sku__ZN027 (accessed June 12, 2007).

Antimicrobial Claims

"The perfect complement to FresherLonger™ containers, our new FresherLonger™ plastic storage bags are infused with silver nanoparticles to help keep food from spoiling so fast by retarding the growth of bacteria, mold and fungus."

"FresherLonger bags are transparent with the signature gold tint of silver nanoparticles."

Sharper Image, "FresherLonger™ Plastic Storage Bags," Project on Emerging Nanotechnologies website. <http://www.nanotechproject.org/inventories/consumer/browse/products/5259/> (accessed January 24, 2008).

As of June 12, 2007, Sharper Image says:

"The perfect complement to our FresherLonger™ containers, our exclusive FresherLonger™ plastic storage bags feature a specially treated material and an air-locking zip-top seal to extend the shelf life of lettuce, fresh herbs, spinach, green beans, cucumbers, broccoli, carrots, celery — all kinds of vegetables as well as fruits and meats. Wash and reuse these bags as often as you like!

These unique bags are transparent, with the FresherLonger™ signature gold tint. Safe for freezer and microwave too. Each has a labeling area to note contents and storage date. Purchase includes 25 bags: 10 small (0.5 gallon); 10 medium (1 gallon); and 5 large (1.2 gallon). 90-day warranty."

Sharper Image, "FresherLonger™ Plastic Storage Bags," http://www.sharperimage.com/us/en/catalog/productdetails/sku__ZN027 (accessed June 12, 2007).

Product Testing Information

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Company web site: www.sharperimage.com

Product web site:

Company country: USA

Sharper Image Athletic Socks

Sharper Image Corporation

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

-

Antimicrobial Claims

-

Product Testing Information

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Company web site: *www.sharperimage.com*

Product web site:

Company country: *USA*

Air Sanitizer, Nano Silver Photocatalyst

Shenzhen Become Industry Trade Co., Ltd.

Category: Home and Garden
Subcategory: Cleaning

Number of associated products: 1
This product uses: N/A

Product Info

Type/ Form Coating & Spray	Particle Size -	Classification Nano	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime 24 hr (for air)	

Notes

Structure of Particle and/or Substrate

Made with "TiO₂, nanometer Ag (Ag content ≥1%), SiO₂ and modifying resin, etc."

Shenzhen Become Industry Trade Co., Ltd., "Air Sanitizer," <http://www.aircleanermedium.com/product/Air-Sanitizer-Nano-Silver-Photocatalyst.html> (accessed June 4, 2007).

Synthesis Method

-

Use of Nanotechnology

This solution is to be sprayed on household products to form a protective antibacterial coating. It states that it takes 10 min to dry but 24hours to set. It apparently sterilizes the air for 24 hours (the time for which it retains moisture).

Recommended Uses

"Purifying accessible indoor office and household goods, such as telephone, computer keyboard, mouse, table, cabinet, chair, armrest, doorknob, lamps."

Shenzhen Become Industry Trade Co., Ltd., "Air Sanitizer," <http://www.aircleanermedium.com/product/Air-Sanitizer-Nano-Silver-Photocatalyst.html> (accessed June 4, 2007).

Antimicrobial Claims

"Nano silver photocatalyst keeps the features of common air sanitizer. Because of adding nanometer Ag, etc. the air sanitizer has capabilities of stronger oxidation reductive reaction, sterilization, deodorization, decomposing and adsorption, but also has the efficiency of persisting in sterilization (Can sterilize even in the conditions of no light) and keeping moisture within 24 hours."

Shenzhen Become Industry Trade Co., Ltd., "Air Sanitizer," <http://www.aircleanermedium.com/product/Air-Sanitizer-Nano-Silver-Photocatalyst.html> (accessed June 5, 2007).

Product Testing Information

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Company web site:

Product web site:

Company country: China

Aloe Vera Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

Colloidal silver and extracts of aloe vera are used as a salve and to promote healing.

Recommended Uses

Topical skin cream.

Antimicrobial Claims

-

Product Testing Information

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Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Arnica Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

This skin cream contains "Colloidal Silver Cream and added extracts of Arnica to enhance its beneficial effects."

Skybright Natural Health, "Arnica Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=114 (accessed January 27, 2008).

Synthesis Method

-

Use of Nanotechnology

This skin cream contains "Colloidal Silver Cream and added extracts of Arnica to enhance its beneficial effects."

Skybright Natural Health, "Arnica Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=114 (accessed January 27, 2008).

Recommended Uses

"Use to assist the healing of bumps, bruises or sprains. "

Skybright Natural Health, "Arnica Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=114 (accessed January 27, 2008).

Antimicrobial Claims

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Product Testing Information

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Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Calendula Cream

Skybright Natural Health

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>< 6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

*This skin cream contains "Colloidal Silver Cream and added extracts of Calendula to enhance its beneficial effects."
Skybright Natural Health, "Calendula Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=115 (accessed January 27, 2008).*

Synthesis Method

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Use of Nanotechnology

*This skin cream contains "Colloidal Silver Cream and added extracts of Calendula to enhance its beneficial effects."
Skybright Natural Health, "Calendula Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=115 (accessed January 27, 2008).*

Recommended Uses

*"Calendula is used to help soothe skin eruptions and promote healing."
Skybright Natural Health, "Calendula Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=115 (accessed January 27, 2008).*

Antimicrobial Claims

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Product Testing Information

-

Company web site: *www.skybright.co.nz*
Product web site:

Company country: *New Zealand*

Chickweed Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

This skin cream contains "Colloidal Silver Cream and added extracts of Chickweed to enhance its beneficial effects. "

Skybright Natural Health, "Chickweed Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=116 (accessed January 27, 2008).

Synthesis Method

-

Use of Nanotechnology

This skin cream contains "Colloidal Silver Cream and added extracts of Chickweed to enhance its beneficial effects. "

Skybright Natural Health, "Chickweed Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=116 (accessed January 27, 2008).

Recommended Uses

"Chickweed has been used for many years for the treatment of itching and irritation."

Skybright Natural Health, "Chickweed Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=116 (accessed January 27, 2008).

Antimicrobial Claims

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Product Testing Information

-

Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Colloidal Silver Cream

Skybright Natural Health

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>< 6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Very fine particles of 99.9% pure ionic silver dispersed in laboratory grade water.... The Skybright silver particles are measured in nanometre size. Third particle size is very important as, if they are much bigger than this, they will not be easily absorbed by the body and therefore are of no use. We have not found a battery-operated colloidal silver generator that will produce particles small enough to be effective."

Skybright Natural Health, "Frequently Asked Questions," <http://www.skybright.co.nz/faqs.php> (accessed January 23, 2008).

Synthesis Method

"Our Ionic Colloidal Silver is made by pumping artesian water through a filter bank containing carbon, reverse osmosis, micro and mixed-bed resin filters, to produce laboratory grade water. From there, it enters the colloidal silver generator, which is the very latest computer-controlled generator, producing the finest quality Colloidal Silver available. It then passes through a .5-micron filter, to the bottling plant."

Skybright Natural Health, "Frequently Asked Questions," <http://www.skybright.co.nz/faqs.php> (accessed January 23, 2008).

Use of Nanotechnology

Colloidal silver is used in a cream "Our cream also contains manuka oil, avocado oil, vitamin E and jojoba oil; all of which have soothing and restorative properties."

Skybright Natural Health, "Colloidal Silver Cream," http://www.skybright.co.nz/product_info.php/cPath/24/products_id/102 (accessed June 6, 2007).

"According to the Oxford Dictionary, the word Colloidal means "a substance consisting of sub-microscopic particles of one substance dispersed in another". So, basically, Colloidal Silver is very tiny particles of silver suspended in water."

Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=139 (accessed January 23, 2008).

Recommended Uses

As a skin cream, but also as a salve to treat broken skin.

Antimicrobial Claims

"Silver was used before antibiotics were invented and now that bacteria are becoming resistant to these drugs, the anti bacterial qualities of Silver have been rediscovered by medicine. Preparations containing Silver Colloids are now used in nearly every Burn Unit in the U.S.A."

Skybright Natural Health, "Colloidal Silver Cream," http://www.skybright.co.nz/product_info.php/cPath/24/products_id/102 (accessed June 6, 2007).

Product Testing Information

-

Company web site: www.skybright.co.nz

Company country: *New Zealand*

Product web site:

Colloidal Silver Liquid

Skybright Natural Health

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Very fine particles of 99.9% pure ionic silver dispersed in laboratory grade water.... The Skybright silver particles are measured in nanometre size. Third particle size is very important as, if they are much bigger than this, they will not be easily absorbed by the body and therefore are of no use. We have not found a battery-operated colloidal silver generator that will produce particles small enough to be effective."

Skybright Natural Health, "Frequently Asked Questions," <http://www.skybright.co.nz/faqs.php> (accessed January 23, 2008).

Synthesis Method

"Our Ionic Colloidal Silver is made by pumping artesian water through a filter bank containing carbon, reverse osmosis, micro and mixed-bed resin filters, to produce laboratory grade water. From there, it enters the colloidal silver generator, which is the very latest computer-controlled generator, producing the finest quality Colloidal Silver available. It then passes through a .5-micron filter, to the bottling plant."

Skybright Natural Health, "Frequently Asked Questions," <http://www.skybright.co.nz/faqs.php> (accessed January 23, 2008).

Use of Nanotechnology

Colloidal silver is suspended in a solution and used home remedy medical purposes.

"According to the Oxford Dictionary, the word Colloidal means "a substance consisting of sub-microscopic particles of one substance dispersed in another". So, basically, Colloidal Silver is very tiny particles of silver suspended in water."

Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=139 (accessed January 23, 2008).

Recommended Uses

"Dosages:

Take as directed; if symptoms persist please consult your health professional.

Liquid – Adults: take 5ml three times a day for five days then drop back to 5ml a day.

Children under 10 years of age: take a half measure.

Drops – for eyes or ears – 1 drop three times a day. If you have trouble using eye drops, then try the Spray bottle and spray Colloidal Silver gently onto the eyes.

Spray – Can be sprayed in the mouth, to ease the symptoms of a sore throat.

Can also be sprayed onto skin, to aid the healing of cuts, scratches or acne. Can be used on broken skin. The best results are obtained by spraying onto the area and then keeping it damp for 15 minutes. This may require several sprays. Allow the area to dry and then apply Skybright Colloidal Silver Cream. Repeat this once or twice a day until

Antimicrobial Claims

"Silver was used before antibiotics were invented and now that bacteria are becoming resistant to these drugs, the anti bacterial qualities of Silver have been rediscovered by medicine. Preparations containing Silver Colloids are now used in nearly every Burn Unit in the U.S.A."

Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=139 (accessed January 23, 2008).

Product Testing Information

"We monitor our generator regularly to ensure that the particle size remains constant, plus we monitor the amount of silver to ensure that it remains at about 6 parts per million (ppm). NZ regulations restrict ppm to a maximum of 10ppm. We have independent laboratory tests done regularly to test our products and 6ppm is as effective as a higher level."

Skybright Natural Health, "Frequently Asked Questions," <http://www.skybright.co.nz/faqs.php> (accessed June 6, 2007).

Company web site: www.skybright.co.nz

Product web site:

Company country: *New Zealand*

Lip Balms

Skybright Natural Health

Category: *Health and Fitness*
Subcategory: *Cosmetics*

Number of associated products: *1*
This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>< 6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Both are hand made with all natural ingredients, including pure essential oils (to nourish) and colloidal silver (a preservative and to aid the healing of dry, cracked lips)."
Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/142 (accessed June 6, 2007).

Recommended Uses

Lip balm.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.skybright.co.nz*
Product web site:

Company country: *New Zealand*

Oxy

Skybright Natural Health

Category: Health and Fitness
Subcategory: Personal Care

Number of associated products: 1
This product uses: Colloidal Silver Liquid

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>< 6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Oxy is a powerful combination of our 6ppm Colloidal Silver and 3% Hydrogen Peroxide (H2O2)."
Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/139 (accessed June 6, 2007).

Synthesis Method

-

Use of Nanotechnology

Colloidal silver is used in conjunction with hydrogen peroxide to be used as a "disinfectant, antiseptic, and oxidizer."
Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/139 (accessed June 6, 2007).

Recommended Uses

It seems to be for cleaning wounds but they do not say that, they state that it "helps increase the body's natural defence against bacteria."
Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/139 (accessed June 6, 2007).

Antimicrobial Claims

"Anaerobic bacteria cells are unable to live in an oxygen rich environment, so Skybright Oxy helps increase the body's natural defense against bacteria."
Skybright Natural Health, "Colloidal Silver Liquid," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/139 (accessed June 6, 2007).

Product Testing Information

-

Company web site: www.skybright.co.nz
Product web site:

Company country: New Zealand

Shampoo and Conditioner

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Both formulations contain our own Colloidal Silver, so have the added ability of helping rid the scalp of flaking or itchiness. All of the ingredients are derived from vegetable or plant extracts and are G.E. free."

Skybright Natural Health, "Shampoo and Conditioner," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/108 (accessed June 6, 2007).

Recommended Uses

Shampoo and conditioner.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Soaps

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Solid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Our natural soaps are handmade in North Canterbury and contain our own antibacterial Skybright Colloidal Silver as well as nourishing oils." Skybright Natural Health, "Soaps," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/111 (accessed June 6, 2007).

Recommended Uses

Hand soap.

Antimicrobial Claims

It "contain our own antibacterial Skybright Colloidal Silver."

Skybright Natural Health, "Soaps," http://www.skybright.co.nz/product_info.php/cPath/27/products_id/111 (accessed June 6, 2007).

Product Testing Information

-

Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

St. Johns Wort Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

This skin cream contains "Colloidal Silver Cream and added extracts of St Johns Wort, to enhance its beneficial effects."

Skybright Natural Health, "St Johns Wort Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=117 (accessed January 27, 2008).

Synthesis Method

-

Use of Nanotechnology

This skin cream contains "Colloidal Silver Cream and added extracts of St Johns Wort, to enhance its beneficial effects."

Skybright Natural Health, "St Johns Wort Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=117 (accessed January 27, 2008).

Recommended Uses

"Herbalists have long employed a topical preparation of this herb to assist the healing of bruises, skin irritations, insect bites and other wounds. Has a calming effect on the body. "

Skybright Natural Health, "St Johns Wort Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=117 (accessed January 27, 2008).

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.skybright.co.nz*

Company country: *New Zealand*

Product web site:

Surface Sanitizer

Skybright Natural Health

Category: *Home and Garden*

Subcategory: *Cleaning*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Coating & Spray

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A disinfectant spray: "Contains our Colloidal Silver, with its antibacterial properties, plus Hydrogen Peroxide and Olive Leaf Extract."

Skybright Natural Health, "Surface Sanitizer," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=112 (accessed January 27, 2008).

Recommended Uses

"This is a natural disinfectant that is an ideal size for campers and trappers, to use in areas where hygiene is uncertain."

Skybright Natural Health, "Surface Sanitizer," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=112 (accessed January 27, 2008).

Antimicrobial Claims

"Spray onto toilet seats, bench tops, showers, etc, and know that the surface is then clear of 99% of bacteria."

Skybright Natural Health, "Surface Sanitizer," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=112 (accessed January 27, 2008).

Product Testing Information

-

Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Wild Yam Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

< 6 ppm

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

This skin cream contains "Colloidal Silver Cream and added extracts of Wild Yam to enhance its beneficial effects. "

Skybright Natural Health, "Wild Yam Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=118 (accessed January 27, 2008).

Synthesis Method

-

Use of Nanotechnology

This skin cream contains "Colloidal Silver Cream and added extracts of Wild Yam to enhance its beneficial effects. "

Skybright Natural Health, "Wild Yam Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=118 (accessed January 27, 2008).

Recommended Uses

"Wild Yam is a valuable herb that may help to relieve the adverse symptoms of menopause, intestinal and joint pain."

Skybright Natural Health, "Wild Yam Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=118 (accessed January 27, 2008).

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Witch Hazel Cream

Skybright Natural Health

Category: *Health and Fitness*

Subcategory: *Cosmetics*

Number of associated products: *1*

This product uses: *Colloidal Silver Liquid*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>< 6 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

This skin cream contains "Colloidal Silver Cream and added extracts of Witch Hazel, to enhance its beneficial effects. "
Skybright Natural Health, "Witch Hazel Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=119 (accessed January 27, 2008).

Synthesis Method

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Use of Nanotechnology

This skin cream contains "Colloidal Silver Cream and added extracts of Witch Hazel, to enhance its beneficial effects. "
Skybright Natural Health, "Witch Hazel Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=119 (accessed January 27, 2008).

Recommended Uses

"Witch Hazel may be useful in the easing of pain caused by haemorrhoids, and aid in the treatment of bruises and inflamed swellings of veins."
Skybright Natural Health, "Witch Hazel Cream," http://www.skybright.co.nz/product_info.php?cPath=32&products_id=119 (accessed January 27, 2008).

Antimicrobial Claims

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Product Testing Information

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Company web site: *www.skybright.co.nz*

Product web site:

Company country: *New Zealand*

Acticoat

Smith & Nephew, Inc.

Category: Medical Applications
Subcategory: Dressing

Number of associated products: 5
This product uses: SILCRYST™

Product Info

Type/ Form Coating	Particle Size 1-100 nm	Classification Nano	Is the use disperseve? No
Conc. of Nano Ag 70-100 ppm	Rate of Ag+ Release -	Expected Lifetime 3 days (in vitro)	

Notes

Structure of Particle and/or Substrate

A silver nanocrystalline coating.
NUCRYST Pharmaceuticals Corp., "SILCRYST Medical Coating," http://www.nucryst.com/partners_sil.htm (accessed June 4, 2008).

Synthesis Method

Through reactive magnetron sputtering (a type of physical vapor deposition).
NUCRYST Pharmaceuticals Corp., "Nanocrystalline Technology," http://www.nucryst.com/platform_technology.htm (accessed June 4, 2008).

Use of Nanotechnology

"The silver antimicrobial barrier dressing consists of a rayon/polyester non-woven core laminated (by sonic welds) between an upper and lower layer of silver coated high density polyethylene mesh (HDPE). The silver coated HDPE layers are designed to be barriers against microbial penetration."
Smith & Nephew, "ACTICOAT® Package Insert," http://global.smith-nephew.com/us/ACTICOAT_PROD_INFO_17334.htm (accessed January 22, 2007).

Recommended Uses

Burn wound dressing. "The barrier function of the dressing may help reduce infection in partial and full-thickness wounds including decubitus ulcers, venous stasis ulcers, diabetic ulcers, first- and second-degree burns, and donor sites."
Smith & Nephew, "Acticoat," <http://wound.smith-nephew.com/us/node.asp?NodeId=2867> (accessed June 4, 2007).

Antimicrobial Claims

"Kills bacteria in vitro in as little as 30 minutes, 2-5 times faster than other forms of silver."
Smith & Nephew, "Acticoat," http://global.smith-nephew.com/us/ACTICOAT_PROD_INFO_17334.htm (accessed January 22, 2007).
"Laboratory studies show that the Acticoat dressing kills micro-organisms faster than conventional products such as silver sulfadiazine (1 percent cream) or silver nitrate (0.5%) solution. It has also been shown in-vitro to provide protection against more than 150 pathogens. The pathogens tested in the lab include very resistant strains of bacteria such as antibiotic-resistant strains of Pseudomonas, methicillin-resistant Staphylococcus aureus, vancomycin-resistant Enterococcus and fungi. These pathogens have been known to sweep through a hospital and infect a great many patients with already weakened immune systems. Infections contracted during hospitalization caused by these so-called superbugs and other organisms cost North American taxpayers an estimated \$18 billion a year in additional hospital care."
"The nanocrystalline coating of pure silver delivers antimicrobial barrier activity within 30 minutes - faster than other forms of silver."
Smith & Nephew, "Acticoat," <http://wound.smith-nephew.com/us/node.asp?NodeId=2867> (accessed June 4, 2007).

Product Testing Information

References:

1. Data on file, Scientific Background # 0109003, Broad Spectrum Antimicrobial Properties of Nanocrystalline Silver
2. Data on file, Scientific Background # 0110002, A Comparative In-Vitro Evaluation of Acticoat* Against Clinically Relevant Bacteria.
3. Data on file, Scientific Background # 0107010, A Comparative In-Vitro Evaluation of Acticoat* Against Antibiotic-Resistant Bacteria.
4. Data on file, Scientific Background # 0110001, A Comparative In-Vitro Evaluation of Acticoat* Against Yeast Isolates.
5. Data on file, Scientific Background # 0110004, The In-Vitro Longevity of Antimicrobial Barrier Properties of Acticoat* Against Clinically Relevant Bacteria.
6. Data on file, Scientific Background # 109002, Long Term Evaluation of Acticoat* 7 Barrier Dressing against MRSA.
7. Wright JB et al. Wounds 1998;10(6):179-188
8. Yin HQ et al. J. Burn Care Rehabil 1998, 19:531-537
9. Wright JB et al. Am J Infect Control 1998, 26:572-577
10. Wright JB et al. Am J Infect Control 1999, 27:344-350
11. Tredget EE et al. J. Burn Care Rehabil 1998, 19 531-537
12. Sibbald RG et al. Ostomy/Wound Management 2001, 47(10) 38-43

Company web site: www.smith-nephew.com

Product web site: <http://global.smith-nephew.com>

Company country: USA

Nano Air-filter

Songsing Nano Technology Co., Ltd.

Category: *Home and Garden*

Subcategory: *Cleaning*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

air-filter

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.ssnano.net*

Product web site: *http://www.ssnano.net/ehhtml/detail1.php?productid=73*

Company country: *Taiwan (R.O.C.)*

Nano Pacifier

Songsing Nano Technology Co., Ltd.

Category: *Goods for Children*
Subcategory: *Basics*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Pacifier.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.ssnano.net*

Product web site: *http://www.ssnano.net/ehtml/detail1.php?productid=73*

Company country: *Taiwan (R.O.C.)*

Nano Silver Socks

Songsing Nano Technology Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Clothing*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

"Function of nano silver socks and shoe's pads:

Sterilization and Deodorization enables foot dry and comfortable"

Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehtml/0418b.php> (accessed June 21, 2007).

Antimicrobial Claims

"The socks contain the fuctions of nano silver,can be effectively restrain foot mould, carryovereffect ofanti-bacteria, enables the foot cool and clean,release the uncomfortable condition."

Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehtml/0418b.php> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.ssnano.net*

Product web site: *<http://www.ssnano.net/ehtml/0418b.php>*

Company country: *Taiwan (R.O.C.)*

Nano Silver Spray

Songsing Nano Technology Co., Ltd.

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Coating & Spray</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

A solution that contains antibacterial silver ions for the purpose of sterilization.

Recommended Uses

"Function of nano silver spray: Sterilization and Deodorization."

Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehhtml/0418b.php> (accessed June 21, 2007).

Antimicrobial Claims

"This product has passed the test of SGS, proving that it has approximately 99.9% of sterilizing effect, killing staphylococcus, aureus, klebsiella pneumoniae, escherichia coli, pseudomonas aeruginosa, etc. The silver ion stays even after killing bacteria, and it can sterilize and purify water lastingly and effectively, which makes the product the most advanced and the best sterilizer."

Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehhtml/0418b.php> (accessed June 21, 2007).

Product Testing Information

"This product has passed the test of SGS, proving that it has approximately 99.9% of sterilizing effect, killing staphylococcus, aureus, klebsiella pneumoniae, escherichia coli, pseudomonas aeruginosa, etc."

Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehhtml/0418b.php> (accessed June 21, 2007).

Company web site: *www.ssnano.net*

Company country: *Taiwan (R.O.C.)*

Product web site: *<http://www.ssnano.net/ehhtml/0418b.php>*

Nano Silver Teapot

Songsing Nano Technology Co., Ltd.

Category: *Food and Beverage*
Subcategory: *Storage*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"We take the technology of using lower temperature to dealt with the teapot,enables the teapot possess the function of nano silver, disinfecting, water-cleaing qualiti, getting rid of the bitter taste of the tea, having improved the additional value of the teapot greatly, the tea is tasty and healthy."
Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehhtml/0418b.php> (accessed June 21, 2007).

Recommended Uses

Teapot.

Antimicrobial Claims

"Function of nano teapot:

Anti-bacteria effectively, get rid of water mouldly;Water-cleaning quality, drink healthier;Getting rid of the bitter taste of the tea, the taste is aromatic and tasty"
Songsing Nano Technology Co., Ltd., "Nano Silver Products," <http://www.ssnano.net/ehhtml/0418b.php> (accessed June 21, 2007).

Product Testing Information

-

Company web site: *www.ssnano.net*

Product web site: *<http://www.ssnano.net/ehhtml/0418b.php>*

Company country: *Taiwan (R.O.C.)*

Nano Toothbrush

Songsing Nano Technology Co., Ltd.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

-

Recommended Uses

Toothbrush.

Antimicrobial Claims

-

Product Testing Information

-

Company web site: *www.ssnano.net*

Product web site: *http://www.ssnano.net/ehtml/detail1.php?productid=73*

Company country: *Taiwan (R.O.C.)*

Remington Nanosilver Slim Plate Straightener

Spectrum Brands, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Nano-silver infused ceramic grill and handle to resist the growth of micro-organisms and deliver clean, beautiful shine."

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Recommended Uses

Hair straightener.

Antimicrobial Claims

"Nano Silver is known for its antibacterial properties and promotes healthy hair and scalp. Nano Silver Technology unites microparticles of ceramic and silver for a unique combination of benefits that create smooth, silky hair."

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.spectrumbrands.com*

Company country: *USA*

Product web site: *<http://www.amazon.com/Remington-Nanosilver-Slim->*

Remington T-Studio Nano Hair Dryer

Spectrum Brands, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Nano-silver infused ceramic grill and handle to resist the growth of micro-organisms and deliver clean, beautiful shine."

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Recommended Uses

Hair dryer.

Antimicrobial Claims

"Nano Silver is known for its antibacterial properties and promotes healthy hair and scalp. Nano Silver Technology unites microparticles of ceramic and silver for a unique combination of benefits that create smooth, silky hair."

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.spectrumbrands.com*

Company country: *USA*

Product web site: *<http://www.lnt.com/sm-remington-t-studio-nano->*

Remington T-Studio Nanosilver Curling Iron

Spectrum Brands, Inc.

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: 3

This product uses: *N/A*

Product Info

Type/ Form

-

Particle Size

-

Classification

Nano

Is the use disperseve?

No

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Nano-silver infused ceramic grill and handle to resist the growth of micro-organisms and deliver clean, beautiful shine"

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Recommended Uses

Curling iron.

Antimicrobial Claims

"Nano Silver is known for its antibacterial properties and promotes healthy hair and scalp. Nano Silver Technology unites microparticles of ceramic and silver for a unique combination of benefits that create smooth, silky hair."

Spectrum Brands, Inc., "Remington T-Studio Nano Hair Dryer," Linen-N-Things Product Listing, <http://www.lnt.com/sm-remington-t-studio-nano-collection--pi-2602901.html> (accessed July 9, 2007).

Product Testing Information

-

Company web site: *www.spectrumbrands.com*

Company country: *USA*

Product web site: *<http://www.amazon.com/Remington-Tstudio->*

Crystal Clear Nano Silver

Spirit of Ma'at LLC

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>2000 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

A silver nano colloid.

Synthesis Method

-

Use of Nanotechnology

A colloid silver solution.

Recommended Uses

To be taken 2 times per day or sprayed on the skin on problem areas.

Antimicrobial Claims

"In fact, they are so small that the Nano Silver acts like a gas in the blood system, killing bacterial pathogens and viruses without causing any harm whatsoever to our bodies." Spirit of Ma'at LLC, "Nano Silver," http://spiritofmaat.com/maatshop/n2_silver.htm (accessed June 18, 2007).

Product Testing Information

"Testing Silver Against Anthrax: In 2001, the Illinois Institute of Technology Research Institute, one of the largest commercial laboratories in the United States, tested the efficiency of a 22 PPM colloidal silver product against anthrax spores. IIT reported that after six hours of exposure at body temperature (37 degrees celsius), the anthrax spores were 99% destroyed.

Big-Time Water Purification: The National Aeronautics and Space Administration researched 23 different methods of water purification and selected a silver system for the space shuttles. NASA, as well as half the world's airlines, uses silver filters to guard against water-born diseases.

Historically, What Was Silver Used For? Here, in alphabetical order, are a few of the more than 650 diseases against which colloidal silver is reputed to be effective: acne, AIDS, allergies, appendicitis, arthritis, athlete's foot, bladder inflammation, blood parasites, blood poisoning, boils, burns, cancer, candida, cholera, colitis, conjunctivitis, cystitis, dermatitis, diabetes (FNI), dysentery, eczema, fibrositis, gastritis, gonorrhea, hay fever, herpes, impetigo, indigestion, keratitis, leprosy, leukemia, lupus, lymphangitis, Lyme disease, malaria, meningitis, neurasthenia, parasitic infections: viral, fungal and bacterial pneumonia, pleurisy, prostate, pruritus ani, psoriasis, purulent opthalmia, rhinitis, rheumatism, ringworm, scarlet fever, septic conditions of the eyes, ears, mouth, and throat, seborrhea, septicemia, shingles, skin cancer, staphylococcus and streptococcus infections, stomach flu, syphilis, thyroid, tuberculosis, tonsillitis, toxemia, trachoma, all forms of virus, warts, whooping cough, yeast infection, stomach ulcer, canine parovirus and other veterinary uses, and fungal and viral attacks on plants(simply spray diluted silver on the leaves and add it to the soil)."
Spirit of Ma'at LLC, "Nano Silver - Research," http://spiritofmaat.com/maatshop/n2_research.htm#anthrax (accessed June 18, 2007).

Company web site: *spiritofmaat.com*

Company country: *USA*

Product web site: *http://spiritofmaat.com/maatshop/n2_silver.htm*

Nano-2+ Water Additive

Spirit of Ma'at LLC

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"It has 85 trace minerals, 18 amino acids, 28 enzymes, and more."

Spirit of Ma'at LLC, "Nano-2+ Water Additive," http://spiritofmaat.com/maatshop/n2_nano2.htm (accessed June 18, 2007).

Recommended Uses

Recommended dosage : "10 drops, 3 glasses /day."

Spirit of Ma'at LLC, "Nano-2+ Water Additive," http://spiritofmaat.com/maatshop/n2_nano2.htm (accessed June 18, 2007).

Antimicrobial Claims

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Product Testing Information

-

Company web site: *spiritofmaat.com*

Product web site: *http://spiritofmaat.com/maatshop/n2_nano2.htm*

Company country: *USA*

Professional Ceramic/Tourmaline Iron with Silver-Nano

*Super***** International*

Category: *Health and Fitness*
Subcategory: *Personal Care*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form -	Particle Size -	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains nano silver with tourmaline on ceramic.

Synthesis Method

-

Use of Nanotechnology

It contains nano silver with tourmaline on ceramic hair iron plates.

Recommended Uses

Hair iron.

Antimicrobial Claims

*"Silver-Nano - the best broad spectrum germicidal in existence, reduces airborne bacteria and kills known germs and viruses."
Super***** International, "Products & Tools," <http://www.superstarintl.com/products.htm> (accessed July 9, 2007).*

Product Testing Information

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Company web site: *www.adamsphere.com*
Product web site:

Company country: *USA*

Cyclic Nano Silver Cleanser

Total Venture Marketing (TVM), Inc.

Category: Health and Fitness
Subcategory: Cosmetics

Number of associated products: 6
This product uses: N/A

Product Info

Type/ Form Solid	Particle Size 1-10 nm	Classification Colloid	Is the use disperseve? Yes
Conc. of Nano Ag -	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

"Silver Colloid Properties

It is a neutral aqueous solution, a structure of silver particles under 10nm combined with SiO₂ of 10~20nm or edible gelatin, which disperses in water uniformly and stably. "

Ingredients: Nano Silver, Silica, Collagen, Sericin, Chitosan, Vitamins C, D, & E, Aloe

Total Venture Marketing (TVM), Inc., "Cyclic Nano Silver Cleanser," <http://www.nanocyclic.com/MClient.php?D1=S&F1=frame&D2=S&F2=Lcycle&D3=S&F3=cycle1> (accessed July 9, 2007).

Synthesis Method

-

Use of Nanotechnology

Nano/ colloidal silver is used in conjunction with other ingredients to produce a soap.

Recommended Uses

" - Pink: Normal & Sensitive Skin

Pink is Cyclic with extra Collagen, so it's better suited for those with normal to sensitive skin and those wishing to experience collagen's age spots and wrinkle fighting effects.

- Silver: Normal & Oily Skin

Silver is Cyclic with extra Nano Silver, so those with normal to oily skin who have acne or other skin problems can better utilize this leading-edge cleanser. "

Total Venture Marketing (TVM), Inc., "Cyclic Nano Silver Cleanser," <http://www.nanocyclic.com/MClient.php?D1=S&F1=frame&D2=S&F2=Lcycle&D3=S&F3=cycle1> (accessed July 9, 2007).

Antimicrobial Claims

"Characteristics of Silver Colloid as an Anti-Bacterial Agent

1. Environment-friendly and non-toxic.

2. Safe for the body.

3. Multi-functional--it works as a natural anti-bacterial, disinfectant, anti-fungal, deodorant, and for anti-infrared radiation.

4. Excellent durability with functionality.

5. No bacterial resistance which causes skin problems.

6. Widespread bacterial killing spectrum.

7. Excellent cleansing effect with nano particle penetration.

8. Differentiation of applied area.

(Previous liquid organic compounds were harmful to the body. High-density inorganic compounds are rare.)"

" Nano Silver

Naturally occurring antibiotic effect

Kills all bacteria and germs within 6 minutes of contact

Also kills fungi"

Total Venture Marketing (TVM), Inc., "Cyclic Nano Silver Cleanser," <http://www.nanocyclic.com/MClient.php?D1=S&F1=frame&D2=S&F2=Lcycle&D3=S&F3=cycle1> (accessed July 9, 2007).

Product Testing Information

-

Company web site: www.nanocyclic.com

Company country: USA

Product web site:

I-Text "Silver Nano" - Anti Bacterial Polo-Shirt

United Textile Mills Co., Ltd.

Category: *Health and Fitness*

Subcategory: *Clothing*

Number of associated products: 2

This product uses: *N/A*

Product Info

Type/ Form	Particle Size	Classification	Is the use disperseve?
-	-	<i>Nano</i>	<i>No</i>
Conc. of Nano Ag	Rate of Ag+ Release	Expected Lifetime	
-	-	-	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

The nano silver is listed under "Special Treatment & Finish," therefore it could be assumed that the nano silver is coated onto the fabric, but they do not make this claim. "Successfully, Metallurgy and Material Science Research Institute (MMIR), Chulalongkorn University (CU) and United Textile Mills Co., Ltd. has makes its path for the new sport wear."

United Textile Mills Co., Ltd., "Nanosilver Technology," <http://www.unitedtextilemills.com/index.asp#> (accessed June 12, 2007).

Recommended Uses

Polo shirt. "This technology will improve the lifestyle of the active and busy people."

United Textile Mills Co., Ltd., "Nanosilver Technology," <http://www.unitedtextilemills.com/index.asp#> (accessed June 12, 2007).

Antimicrobial Claims

"It is an active sport wear designed for the future lifestyle, the "Silver Nano" Technology will prevent the growth of bacterial and unpleasant odor, black spot, deteriorated fiber including harmful disease."

United Textile Mills Co., Ltd., "Nanosilver Technology," <http://www.unitedtextilemills.com/index.asp#> (accessed June 12, 2007).

Product Testing Information

-

Company web site: www.unitedtextilemills.com

Product web site: <http://www.unitedtextilemills.com/index.asp#>

Company country: *Thailand*

Advanced Colloidal Silver

Utopia Silver Supplements

Category: *Food and Beverage*
Subcategory: *Supplements*

Number of associated products: *1*
This product uses: *N/A*

Product Info

Type/ Form <i>Liquid</i>	Particle Size -	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>20 ppm</i>	Rate of Ag+ Release -	Expected Lifetime -	

Notes

Structure of Particle and/or Substrate

It contains 0.9999 pure silver in de-ionized water.

Synthesis Method

-

Use of Nanotechnology

As a colloidal silver in de-ionized water.

Recommended Uses

"Dietary Supplements only."

Utopia Silver Supplements, "Advanced Colloidal Silver," <http://www.utopiasilver.com/products/silver/> (accessed July 17, 2007).

Antimicrobial Claims

"Works: Silver inhibits the growth of one-celled organisms, (such as bacteria and viruses) by deactivating the organism's oxygen metabolism enzymes. In turn, this destroys its' cell membranes, stopping the replication of its' DNA."

Utopia Silver Supplements, "Advanced Colloidal Silver," <http://www.utopiasilver.com/products/silver/> (accessed July 17, 2007).

Product Testing Information

CoorsTek Analytical Laboratory Lab No. 2k6-0360 Date May 15, 2006. Samples analysed on the AtomScan25 ICP-OES for concentrations.

Company web site: *www.utopiasilver.com*

Company country: *USA*

Product web site: *<http://www.utopiasilver.com/products/silver/>*

Silver Aloe Skin Care Bar

Utopia Silver Supplements

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *Advanced Colloidal Silver*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>-</i>	Classification <i>Colloid</i>	Is the use disperseve? <i>Yes</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

It contains "0.9999 silver in pure de-ionized water" and "no gelatins or animal products."

List of ingredients: Advanced Colloidal Silver, Plant Derived Minerals, Aloe Vera, Essential Oils, Sodium Cocoate, Sodium Palmate, Castor Seed Oil, Safflower Seed Oil, Glycerin, Sorbitol, Sorbitan Oleate, and Glycerin Soja.

Utopia Silver Supplements, "Silver Aloe Skin Care Bar," <http://www.utopiasilver.com/products/supplements/skincare.htm> (accessed July 17, 2007).

Synthesis Method

-

Use of Nanotechnology

Colloidal silver in de-ionized water.

Recommended Uses

"Great for Skin, Scalp and Hair!"

Utopia Silver Supplements, "Silver Aloe Skin Care Bar," <http://www.utopiasilver.com/products/supplements/skincare.htm> (accessed July 17, 2007).

Antimicrobial Claims

It is "fortified with the anti-bacterial action of Colloidal Silver, the regenerative qualities of Plant Derived Minerals and the healing properties of Aloe Vera."

Utopia Silver Supplements, "Silver Aloe Skin Care Bar," <http://www.utopiasilver.com/products/supplements/skincare.htm> (accessed July 17, 2007).

Product Testing Information

CoorsTek Analytical Laboratory Lab No. 2k6-0360 Date May 15, 2006. Samples analysed on the AtomScan25 ICP-OES for concentrations.

Utopia Silver Supplements, "Advanced Colloidal Silver," <http://www.utopiasilver.com/products/silver/> (accessed July 17, 2007).

Company web site: *www.utopiasilver.com*

Product web site: *<http://www.utopiasilver.com>.*

Company country: *USA*

Soothing Silver Gel

Utopia Silver Supplements

Category: *Health and Fitness*

Subcategory: *Personal Care*

Number of associated products: *1*

This product uses: *N/A*

Product Info

Type/ Form

Liquid

Particle Size

-

Classification

Colloid

Is the use disperseve?

Yes

Conc. of Nano Ag

-

Rate of Ag+ Release

-

Expected Lifetime

-

Notes

Structure of Particle and/or Substrate

It contains colloidal silver and plant-based ingredients, including Aloe Vera Gel and Grapefruit Seed Extract.

Synthesis Method

-

Use of Nanotechnology

Colloidal silver is used with other ingredients to make a gel.

Recommended Uses

"Soothing Silver Gel is designed for easy application and lasting effectiveness, and can be used for all types of irritated or damaged skin. It can promote rapid healing with less scar tissue."

Utopia Silver Supplements, "Soothing Silver Gel," <http://www.utopiasilver.com/products/supplements/silveraloe.htm> (accessed July 17, 2007).

Antimicrobial Claims

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Product Testing Information

-

Company web site: *www.utopiasilver.com*

Product web site: *<http://www.utopiasilver.com>*

Company country: *USA*

PlasmaWave™ Air Cleaners

Winix Inc.

Category: *Appliances*
Subcategory: *Heating, Cooling and Air*

Number of associated products: *4*
This product uses: *N/A*

Product Info

Type/ Form <i>Solid</i>	Particle Size <i>NA</i>	Classification <i>Nano</i>	Is the use disperseve? <i>No</i>
Conc. of Nano Ag <i>-</i>	Rate of Ag+ Release <i>-</i>	Expected Lifetime <i>-</i>	

Notes

Structure of Particle and/or Substrate

-

Synthesis Method

-

Use of Nanotechnology

"Nano-Silver Mesh" is used in the filtration system.

Winix Inc., "PlasmaWave Air Cleaner 9000," http://www.winixinc.com/ac_9000.html (accessed July 17, 2007).

Recommended Uses

Air cleaning system.

Antimicrobial Claims

"Step 3: Nano-Silver Mesh

A shield of silver particles one billionth of a meter in size neutralizes bacteria on contact."

"Throughout history, silver has been recognized as one of the most efficient germicides known. While an antibiotic can kill as many as a half-dozen different kinds of disease organisms, silver is known to kill some 650 species of bacteria or viruses simply by coming into contact with them."

Winix Inc., "PlasmaWave Air Cleaner 9000," http://www.winixinc.com/ac_9000.html (accessed July 17, 2007).

Product Testing Information

-

Company web site: *www.winixinc.com*

Product web site: *http://www.winixinc.com/ac_9000.html*

Company country: *USA*