



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 7, 2017

Michael T. Novak
Registration Counsel
Nanohorizons, Inc.
270 Rolling Ridge Drive, Suite 100
Bellefonte, PA 16623

Subject: Label Amendment – Adding for Use in End Use Products
Product Name: Additive SSB
EPA Registration Number: 83587-3
Application Date: 06/13/2017
Decision Number: 530513

Dear Mr. Novak:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,



Zeno Bain, Acting Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Stamped Label

Additive SSB

Additive SSB is an antimicrobial additive that inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product on which it is applied. It is for use in the manufacture of commercial, consumer and end-use products to impart antimicrobial properties.

INGREDIENTS

Active Ingredient:	
Silver	99.9%
Other Ingredients:	0.1%
TOTAL:	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. May cause eye irritation. Prolonged skin contact may cause skin irritation and/or dermatitis. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Physical or Chemical Hazards

Avoid dust formation - Dust may form explosive mixture in air.

Handler Personal Protective Equipment (PPE)

Handlers must wear a long-sleeve shirt, long pants, shoes, socks, and chemical-resistant gloves.

User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

Adequate ventilation should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

User Safety Recommendations

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

FIRST AID:

If Swallowed: Call a poison control center or doctor immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If in Eyes: Hold eye open and rinse slowly with water for 15-20 minutes. Remove contact lenses, if applicable, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.



ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water and Board or Regional Office of U.S. EPA.

Follow **DIRECTIONS FOR USE** On Back Panel

Manufactured for:
NanoHorizons, Inc.
270 Rolling Ridge Dr.
Suite 100
Bellefonte, PA 16823

EPA Registration No. 83587-3
EPA Establishment No. 83587-PA-001

DIRECTION FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Additive SSB is for use in the manufacture of the products listed below to impart antimicrobial properties. Additive SSB inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product to which it is applied. Products containing Additive SSB may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria, mold, and mildew.

This product is not approved for any food contact or food packaging uses.

TYPES OF PRODUCTS - Additive SSB may be incorporated into the following types of products:

(A) FINISHED AND END-USE PRODUCTS

MAXIMUM CONCENTRATION: Additive SSB may be incorporated into the types of consumer, commercial and end-use finished products listed below at maximum concentration of no more than one (1) percent on a weight basis of the finished products.

1) Ceramics, ceramic glazes, porcelain enamels, and other glasses.

Specific materials: vitreous china, ceramics, glazes, earthenware, stoneware, dental glasses, borosilicate glasses, lead glasses, soda lime glasses, special glasses, porcelains, porcelain enamels, clays, concretes, and grouts.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilets, sinks, urinals, bidets, lavatories, bathtubs, tile, flooring, windows, shower doors, shower walls, shower trays, bath and kitchen accessories, countertops, handles, and knobs.

2) Plastics and plastic composite materials.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC),

epoxies, phenolics, styrenics (including PS, ASA, and ABS) polycarbonate, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluorepolymers, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, pipe fittings, whirlpool tub and spa components, structural reinforcement composites (*e.g.*, fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, tools, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

3) Coatings

Types of coatings: All application methods including water borne, nonaqueous solvent borne, 100% solids, physical vapor deposition, radiation cure, liquid, slurry, and powder coatings.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), glycols (including DEG, EG, PG, DPG, and BDO), betaines, thiols, polyethylene copolymer, polyvinyl chloride (PVC), polyaspartics, epoxies, phenolics, styrenics (including PS, ASA, and ABS), polycarbonate, polypeptides, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, and fluorepolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, tube fittings, whirlpool tub and spa components, structural reinforcement composites (*e.g.*, fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, tools, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

4) Fibers

Specific materials: Resins including polyester (including PET, PBT, and PEN), acetate, polyolefins, styrenics (including PS, ASA, and ABS), polyamides (Nylon), polypropylene (PP), polyethylene (PE), polypeptides, acrylics, cellulose, viscose, polyurethane, "Rayon", polyvinyl alcohol (PVOH), polyvinyl chloride (PVC), polyvinylidene chloride, polysaccharides, and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include fabrics for household applications such as drapes, carpets, tablecloths, and towels; home furnishings such as chairs and bedding; automotive fabrics such as upholstery and carpeting; and apparel such as socks, shirts, outerwear, gloves, and hats.

5) Adhesives and Sealants.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), glycols (including DEG, EG, PG, DPG, and BDO), betaines, polyethylene copolymer, polyvinyl chloride (PVC), polyaspartics, epoxies, phenolics, styrenics (including PS, ASA, and ABS), polycarbonate, polypeptides, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate, acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Applications: Do not use for any applications involving food contact, food packaging, or storage of human drinking water. Applications include adhesives used in the manufacture of toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and kitchen accessories, plumbing supplies and fixtures, countertops, handles, knobs, automobile parts, shower curtains, mats, protective covers, waste containers, general purpose containers, shower heads, mops, brooms, tapes, packaging, gaskets, pipes, tubing, tube fittings, whirlpool tub and spa components, structural reinforcement composites (*e.g.*, fiber reinforced resin backings), furniture, HVAC parts and equipment, window blinds, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment.

(B) TREATED INTERMEDIATES/CONCENTRATES

This product is a pesticidal additive that protects treated intermediate manufacturing/industrial products and treated manufacturing/industrial products from the growth of mold and mildew.

MAXIMUM CONCENTRATION: For use in manufacturing/industrial intermediates at active ingredient levels up to 60% on a weight basis. This dosage applies only to intermediate manufacturing/industrial uses. It does not apply to active ingredient concentrations in consumer finished products.

The intermediate treated concentrate must be used in proportion to other inputs in the manufacture of treated articles entering commerce so that the final concentration of Additive SSB does not exceed the application rate of 1% on a weight basis in the consumer finished product articles to be preserved.

Specific materials: Resins including alkyds, amino resins (including melamine formaldehyde and urea formaldehyde), polyester (including PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polyols (including ether, ester, caprolactone, and butadiene), polyurea, polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolics, styrenics (including PS, ASA, ABS), polycarbonate, cellulose acetate, polyurethane, acrylic, acrylates (including polymethyl methacrylate), acetals, polyketones, polyphenylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer, fluoropolymers, thermoplastic elastomer rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene), glycols (including DEG, EG, PG, DPG, and BDO), betaines, thiols, polypeptides, polyurethane, acetate, polyolefins, polypeptides, viscose, "Rayon", polyvinyl alcohol (PVOH), polyvinylidene chloride, polysaccharides, polyethylene copolymer, and blends (including blending with water for production of water-borne coatings, adhesives and sealants listed in Finished Products) and copolymers thereof.

Unless registered with U.S. EPA as an end-use product, finished products containing Additive SSB may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacteria and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

STORAGE AND DISPOSAL

STORAGE: Keep tightly closed in dry, cool and well-ventilated place. Keep container closed to prevent contact with moist air. Do not store in area where food or feed may come in contact with the product. Keep away from direct sunlight.

DISPOSAL: Unused material should be disposed of in accordance with federal, state, and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

CONTAINER DISPOSAL: Emptied container retains products residue. Observe all labeled safeguards until container is destroyed. Completely empty contents into equipment. Then dispose of empty container in a sanitary landfill or by other approved method.