



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

94658-1

Date of Issuance:

1/31/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SILVERbac SP1

Name and Address of Registrant (include ZIP Code):

Matthew Brooks
Novel Technologies
c/o Ag-Chem Consulting
12644 Chapel Rd
Clifton, VA 20124

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

John Hebert, Chief
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

1/31/20

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Silver GDCI-072501-1129

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 94658-1.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 03/25/2019

If you have any questions, please contact Jake McFarley by phone at (703) 347-0123, or via email at McFarley.Jake@epa.gov.

Enclosure: Master Label

- [Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]

SILVERbac™ SP1

SILVERbac™ SP1 is intended for use in manufacturing products to inhibit stain or odor by controlling bacteria, mold and mildew.

ACTIVE INGREDIENT:

Silver 99.9 %
 Other ingredients 0.1 %
 TOTAL 100.0 %

DANGER
KEEP OUT OF REACH OF CHILDREN

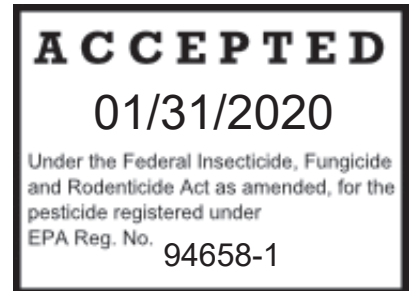
Corrosive: Causes Irreversible Eye Damage

EPA Reg. No. 94658-R

EPA Est. No.

Manufactured by

Novel Technologies Holdings, Ltd.
69 Buchanan Street
Glasgow, G1 3HL, United Kingdom



| FIRST AID | |
|-------------------------------|--|
| If in Eyes | <ul style="list-style-type: none"> • Hold eye open and rinse slowly with clean 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 additional treatment advice. |
| If on Skin or Clothing | <ul style="list-style-type: none"> • Remove contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. |
| If Inhaled | <ul style="list-style-type: none"> • 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 Swallowed | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately. • Have person sip water if able to swallow. |

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| | |
|--|---|
| | <ul style="list-style-type: none">• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything to unconscious person. |
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[See additional [complete]Precautionary Statements and Directions for Use inside booklet.]

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Corrosive Causes irreversible eye damage. Harmful if swallowed, absorbed through the skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust. Wear protective eyewear. Handlers must wear, at a minimum, a long-sleeve shirt, long pants, socks and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into bodies of water or waterways unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit. Notify the permitting authority prior to discharge. Notify the local sewage treatment plant authority prior to discharging effluent containing this product to sewer systems. For guidance contact your State Water Board or Regional Office of the EPA.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

PESTICIDE STORAGE: Store in safe manner. Store in original container only. Store in cool, dry place. Avoid storage in extreme heat and cold. Store in an area maintained between (5-25 °C (41-77 °F)). Keep container tightly closed when not in use. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength. In case of spill, absorb with sand or vermiculite. Vacuum material to avoid dust dispersal. Clean surface thoroughly to remove residual contamination.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not refill or reuse this container. Offer for recycling if available otherwise dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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DIRECTIONS FOR USE

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

IMPORTANT! Read precautionary statements before using this product.

SILVERbac™ SP1 is for formulation into a masterbatch material for use in the manufacture of the products listed below to impart antimicrobial properties. SILVERbac™ SP1 inhibits the growth of stain and odor causing bacteria, mold, and mildew on the product to which it is applied.

Manufactured products incorporating antimicrobial SILVERbac™ SP1 may not make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the manufactured product which permits such claims. When incorporated into manufactured products, SILVERbac™ SP1 does not protect users of any such manufactured product or others against food borne or disease-causing bacteria, viruses, germs or other disease-causing organisms.

This product is not approved for any food contact or food packaging uses. This product may not be used for any applications involving food contact, food packaging, or storage of human drinking water.

MAXIMUM CONCENTRATION: SILVERbac™ SP1 may be incorporated into the types of products listed below at maximum silver 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: 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, (melamine formaldehyde and urea formaldehyde), polyester (PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethyl~pentene (PMP), polysiloxane, polyvinyl alcohol, (PVOH), polyvinyl acetate (PV A), ethylene vinyl acetate (EVA), polylactic acid or polylactide (PLA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolic, polycarbonate, cellulosics, cellulose acetate, polystyrene, polyurethane, acrylic, polymethyl methacrylate, acrylonitrile~butadiene styrene copolymer (ABS), acrylonitrile~ styrene acrylic copolymer (ASA), acetals, polyketones, polyphelylene, polyphenylene sulfide, polyphenylene oxide,

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polysulfones, liquid crystal polymer and fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR) polyacetal, polyoxymethylene, and blends and copolymers thereof.

Applications: Applications include toilets, sinks, urinals, bidets, bathtubs, lavatories, 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) Fibers

Specific materials: Resins including polyester ("Dacron" PET, and PTT), acetate, polyolefins, polyamides (Nylon), polypropylene (PP), polyethylene (PE), acrylics, viscose, "Rayon", polylactic acid or polylactide (PLA), polyurethane, polyvinyl alcohol (PVOH), polyvinyl chloride (PVC), polyvinylidene chloride, polysaccharides, and blends and copolymers thereof.

Applications: Applications include fabrics for household applications, components of aircraft interiors, home furnishings, automotive fabrics, and apparel such as absorbent materials, artificial leather, aprons, automotive and truck upholstery, awnings, bags, blankets, book covers, brush bristles, caps, carpet and carpet underlay, cloth for sails, coats, commercial and industrial wipes and fabrics, containers, convertible tops and interior liners, conveyor belts, curtains, cushions, cushion pads, draperies, fiberfill for quilts and pillows, filters, gloves and helmets, hosiery, inner liners for jackets, interior liners, mattresses, mattress cover pads and filling, mops, napkins, outerwear, packaging including bags, pillow covers, rear decks, ropes, rugs, sacks, sails, sheets, shoes, sleeping bags, sleepwear, socks, sponges, sportswear, stockings, table cloths, tarps, tents and other outdoor equipment, towels, trim for outerwear and garments, truck liners, trunk liners, umbrellas, undergarments, uniforms, upholstery, wall covering fabrics, wiping cloths, wraps.

4) Coatings

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

Specific materials: Resins including alkyds, amino resins, (melamine formaldehyde and urea formaldehyde), polyester (PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol, (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylic, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrilestyrene-acrylic copolymer (ASA), acetals, polyketones, polyphelylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal

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polymer and fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR), polyacetal (polyoxymethylene, and blends and copolymers thereof.

Applications: Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, interior paint, 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, fabrics for household applications, components of aircraft interiors, home furnishings, automotive fabrics, and apparel such as absorbent materials, artificial leather, aprons, automotive and truck upholstery, awnings, bags, blankets, book covers, brush bristles, caps, carpet and carpet underlay, cloth for sails, coats, commercial and industrial wipes and fabrics, containers, convertible tops and interior liners, conveyor belts, curtains, cushions, cushion pads, draperies, fiberfill for quilts and pillows, filters, gloves and helmets, hosiery, inner liners for jackets, interior liners, mattresses, mattress cover pads and filling, napkins, outerwear, packaging including bags, pillow covers, rear decks, ropes, rugs, sacks, sails, sheets, shoes, sleeping bags, sleepwear, socks, sponges, sportswear, stockings, table cloths, tarps, tents and other outdoor equipment, towels, trim for outerwear and garments, truck liners, trunk liners, umbrellas, undergarments, uniforms, upholstery, wall covering fabrics, wiping cloths, wraps.

5). Adhesives and Sealants.

Specific materials: Resins including alkyds, amino resins, (melamine formaldehyde and urea formaldehyde), polyester (PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol, (PVOH), polyvinyl acetate (PVA), ethylene vinyl acetate (EVA), polyethylene copolymer, polyvinyl chloride (PVC), epoxies, phenolic, polycarbonate, cellulose acetate, polystyrene, polyurethane, acrylic, polymethyl methacrylate, acrylonitrile butadiene styrene copolymer (ABS), acrylonitrile styrene acrylic copolymer (ASA), acetals, polyketones, polyphelylene, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymer and fluoropolymers, amino resins, thermoplastic elastomer, rubber (including styrene, butadiene, common acrylonitrile rubber, CR) polyacetal, polyoxymethylene, and blends and copolymers thereof.

Applications: Applications include toilet seats, toilets, sinks, urinals, bidets, lavatories, bathtubs, spas, tile, flooring, shower doors, shower walls, shower trays, bath and non-food kitchen accessories, plumbing supplies and fixtures, countertops, components of aircraft interiors, 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, HV AC parts and equipment, window blinds, tools, keyboards, personal grooming equipment, footwear including boots, sports equipment, telephones, and computer equipment, adhesives and sealants used in the manufacture of: wood, wood and plastic composites, appliances, automotive and vehicle parts, bathrooms, cardboard, ceramic tile,

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construction glazing for windows, grout and joint compound, paper, pipe sealant and insulation materials, plastic, plumbing adhesives products, rubber, sealants for pipes, showers, cat litter and trays, caulks, drainage and sewage pipes, mortar and concrete admixtures, plaster, spackling, stucco, tiles, plastics including films, sheets, slabs, and molded plastic parts, automobile parts and fillings, bathroom fittings including plumbing supplies and fixtures (including toilet bowl seats), brush bristles, conveyor belts, countertops, floor coverings and floorings, footwear and sportswear, gaskets, general purpose containers, indoor and outdoor furniture, insulation for wire and cable insulators, non-food kitchen and bathroom hardware, liners, mats, plastic film, protective covers, siding for housing, sponges, tape, tiles, tubing, waste containers, electronic keyboards, door handles, packaging coatings, films, laminates, paints, appliances, automobile and vehicle parts, barrier fabrics, building materials and components (such as walls, wallboard, floors, concrete, siding, roofing, shingles, hardware, floors, ceilings, commercial and industrial applications), collection and storage equipment (such as non-food use conveyor belts, piping systems, silos, tanks, and process vessels), non-food countertops, furniture, general purpose containers, glazing for cement tile, glazing for vitreous china used in plumbing fixtures (such as toilets, sinks, countertops), industrial equipment, packaging, paper products (such as wipes, tissues, wall coverings, towels, book covers).

WARRANTY

It is impossible to eliminate all risks inherently associated with the use of this product. All such risks shall be assumed by the buyer. Except as expressly provided herein, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Consistent with applicable law, NTH Holdings, Ltd., MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than that the material conforms to its applicable current Standard Specifications. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of NTH Holdings, Ltd. for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.