

84630 -2

03/01/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg.

Number:

84630-2

Date of Issuance:

MAR - 1-2010

Term of Issuance:

Unconditional

Name of Pesticide Product:

SilverClear DG300

NOTICE OF PESTICIDE:

[x] Registration

[] Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

TransTex Technologies, Inc
9600 Rue Ignace, Suite D
Brossard, Quebec Canada J4Y2R4

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered 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 (OPP Decision No. D-402784) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Symbol to read, "EPA Reg. No. 84630-2".

b. Revise the claim beneath the Product name by deleting the phrase, broad spectrum biocide because it is not in agreement with PR Notice 2000-1, Applicability of Treated Articles Exemption to Antimicrobial Pesticides.

Signature of Approving Official:

Velma Noble
Product Manager Team-31
Regulatory Management Branch
Antimicrobials Division (7510P)

Date:

MAR - 1 2010

c. Revise the first statement under "Environmental Hazards" on page 2 to read "This product is toxic to *aquatic* invertebrates and fish."

d. Delete the last statement in the second paragraph under "Introduction" on page 3 and first statement in the last paragraph under "Recommendations" on page 4 because claims to mitigate/control the growth of dust mites and bed bugs is a public health claim requiring efficacy data.

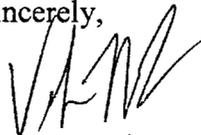
e. The last statement in the first paragraph on 4 after "Kiss roll method" must be brought into compliance with PR Notice 2005-1, Mandatory Labeling by deleting the term, should, and stating "*must*."

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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. Should you have any questions regarding this letter, please contact.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch
Antimicrobials Division (7510P)

Enclosure: Stamped Label
ORE Risk Assessment

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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SilverClear™ DG300

~~Broad-Spectrum Biocide~~ End-Use Product
for Fiber and Textile Uses

ACTIVE INGREDIENTS

Alkyl (50% C12, 30% C14, 17% C16, 3% C18)

Dimethyl Benzyl Ammonium Chloride 0.91 %

Silver Nitrate 0.53 %

OTHER INGREDIENTS 98.56 %

TOTAL 100.00 %

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side/Back Panel for First Aid

STOP - READ LABEL BEFORE USE

EPA Reg. No. 84630-~~1~~2

EPA Est. No. 84630-___

Produced for:
TransTex Technologies Inc.
9600 Rue Ignace, Suite D
Brossard, Quebec,
Canada, J4Y 2R4

NET WEIGHT
1-20 Kg, 208 Kg

ACCEPTED
with COMMENTS
in EPA Letter Dated:
MAR - 1 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

84630-2

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FIRST AID

Hot Line Number

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 450-444-1144 or CHEMTREC (800-262-8200) for emergency medical treatment information.

If on skin:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor immediately for treatment advice.
If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor immediately for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
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 immediately for treatment advice.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse. Wear appropriate protective equipment, such as long-sleeve shirt, long pants, shoes, socks, chemical-resistant or rubber gloves, chemical-resistant apron, and protective eyewear (goggles, safety glasses or face shield). If application by sprayer, wear appropriate PPE respirators. Exposure may cause irreversible pigmentation of the skin (argyria) or eyes (argyrosis).

ENVIRONMENTAL HAZARDS

This pesticide is toxic to invertebrates and fish. Do not discharge this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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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.

Introduction

SilverClear™ DG300 is incorporated into natural and synthetic fibers and textiles during manufacture in order to preserve these materials and the products made from these materials (See treated product list below). During manufacture, the fibers or textiles are either impregnated or coated with SilverClear™ DG300, depending upon the type and weight of material treated and the needs of the manufacturer.

When treated with SilverClear™ DG300, fibers, textiles, and related products are preserved by inhibiting the growth of bacteria, mold, mildew, and fungi that would otherwise cause odor, discoloration, or deterioration of untreated fibers and textiles. ~~In addition, the presence of SilverClear™ DG300 in treated household products such as mattress pads and pillows inhibits the growth of dust mites and bedbugs.~~

SilverClear™ DG300 is not approved for the control of human health-related microorganisms. Manufacturers of products incorporating SilverClear™ DG300 may not make any public health claims relating to antimicrobial activity.

Procedure

The use of SilverClear™ DG300 is limited to industrial applications under controlled conditions. Wherever practicable, the process from dilution of SilverClear™ DG300 to drying of treated fibers and textiles is to be conducted in a closed, automated system. However, if necessary, initial addition of SilverClear™ DG300 to the mixing tank may be done manually. In either case, appropriate PPE must be worn.

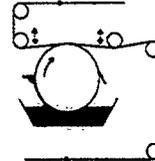
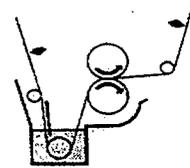
Mix Well Before Use. Prior to use of SilverClear™ DG300, vigorously agitate or stir the contents of the container using a high speed mixer or shaker apparatus to ensure proper mixing. Avoid excessive exposure to light.

Add the appropriate amount of SilverClear™ DG300 to a mixing tank; usually to result in a final dilution of 3 - 10% by volume. Rinse any residues or sediment with small amounts of filtered or distilled water from the empty container into the mixing tank. Store any unused portion of SilverClear™ DG300 or dispose of the empty container as described in the Storage and Disposal section. After closing the mixing tank, dilute to the desired concentration by adding filtered or distilled water automatically by pipe. Mix thoroughly.

After mixing, the dilute SilverClear™ DG300 solution is piped to the application equipment, such as an immersion tank (See figures below) or an automatic sprayer. The fibers or textiles are automatically processed by the application equipment.

Two common methods of tank application are the following:

- **Dip method:** the fabric is submerged in the solution and the excess is removed with squeeze rollers prior to heat setting (drying) in a tenter frame.
- **Kiss roll method:** the fabric is in contact with a roll partly submerged in the solution, and the excess solution is removed by squeeze rollers prior to heat setting (drying) in a tenter frame.



The speed of the fiber or textile passing through the equipment (treatment time) and the use of rollers to squeeze out liquid affect the final amount of solution incorporated into the fabric or fiber. In addition, the extent of dilution and treatment time depend upon many factors, including the type of material treated, other treatment additives used (such as dyes), and the intended use of the final product. For optimal performance, the SilverClear™ DG300 mixture ~~should~~ be applied during the last operation of finishing.

Dry the treated fibers or textiles thoroughly in the tenter frames at a temperature of at least 120 deg C. The optimal conditions for SilverClear™ DG300 in the heat setting sections of the tenter frames are 170-180 deg C for at least 20 seconds, which enables the treatment to withstand repeated washings

After drying, the treated fibers and textiles are packaged for storage and/or shipment for use in the manufacture of various products (see list below).

Recommendations

With most fiber and textile applications, optimal efficacy and durability can be achieved with dilutions ranging from 3% to 10% SilverClear™ DG300 in water. Determining what dilution to use depends upon many factors, including the type of material being treated, other treatment additives used (such as dyes), and the intended use of the final product. When the commercial SilverClear™ DG300 product is diluted to 3-10%, the original concentrations of the two active ingredients (0.91% benzalkonium chloride and 0.53% silver nitrate by weight) are diluted to approximately 0.027 - 0.092% and 0.016 - 0.54%, respectively, prior to application.

~~Certain specialized uses, such as for bedbug control, may require the application of up to 50% SilverClear™ DG300 (equivalent to 0.72% total actives).~~ The user should test various SilverClear™ DG300 dilutions to determine the most appropriate concentration would fulfill specific performance parameters.

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Uses

SilverClear™ DG300 is not approved for the following uses: human drinking water equipment, food-contact substances, medical products, or products that may remain in water for extended periods of time (e.g., rope for boat anchors or buoys).

SilverClear™ DG300 is intended for the treatment of fibers and textiles made from synthetic or natural substances, including polyester, nylon, polypropylene, acrylic, rayon, cotton, linen, silk, wool, and blends. The treated fibers and textiles may be used in the following products:

- Apparel, other than those used for medical purposes. These include, but are not limited to, outerwear, formal wear, casual wear, sportswear, sleep wear, trim for outerwear and garments, uniforms, stockings, socks, hosiery, caps, hats, helmets, undergarments, shoes, gloves, and aprons;
- Industrial textile products, other than food-contact articles. These include, but are not limited to, bags, sacks, wraps, commercial and industrial wipes; uniforms, and coats;
- Household textile products, other than food-contact articles and articles used for medical purposes. These include, but are not limited to, napkins, tablecloths, wiping cloths, mops, shower curtains, towels, sheets, blankets, mattress cover pads and filling, pillow covers, fiberfill for quilts and pillows, seat cushion pads and filling, curtains and draperies, carpet and carpet underlay, rugs, upholstery fabrics, wall-covering fabrics, book covers, and needlework yarns and fabrics;
- Outdoor textiles, other than articles made for long-term immersion in water. These include, but are not limited to, umbrellas, sails, sleeping bags, tents, tarps, and awnings;
- Automotive textile products. These include, but are not limited to, automobile and truck upholstery and carpeting.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Store in a dry place away from extreme heat and cold (tightly closed at or below +25 deg C) and away from sunlight. Keep container closed when not in use.

In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under PESTICIDE DISPOSAL. Repackage and relabel useable product in a sound opaque container. In case of fire or other emergency, report at once by toll-free telephone to CHEMTREC (800-424-9300).

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.