

4001-3

5-29-1981

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U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 4001-3	DATE OF ISSUANCE May 28, 1981
	TERM OF ISSUANCE 29 MAY 1981	
	NAME OF PESTICIDE PRODUCT Triclosan	

NOTICE OF PESTICIDE: REGISTRATION
 REREГИSTRATION
 (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Scholl, Inc.
 213 West Schiller Street
 Chicago, IL 60610

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 the provisions of Section 3(c)(7)(A) of the Act, since you have agreed that you will submit and/or/cite all data required for registration/re-registration of your product under FIFRA Section 3(c)(5), when the Agency requires all registrants of similar products to submit such data.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6 (e) of the Act.

A. E. Castillo
 A. E. Castillo
 Product Manager #32
 Disinfectants Branch
 Registration Division (OPTS-767)

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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PRECAUTIONARY STATEMENTS

Hazard To Humans and Domestic Animals

DANGER: Corrosive, causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. In case of contact with eyes, flush with plenty of water and get medical attention. In case of contact with skin, wash with plenty of water.

EPA Reg. No. 4001-3

EPA Est. No. 100-RI-1

ACCEPTED

29 MAY 1981

4001-3

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO.

SCHOLL, INC.
3030 Jackson Avenue
Memphis, TN 38151

TRICLOSAN

A BACTERIOSTAT FOR USE IN THE MANUFACTURE OF LATEX

Active Ingredient:

5-Chloro-2-(2, 4-dichlorophenoxy)

phenol 99%

Inert Ingredients 1%

DANGER: Keep out of Reach of Children

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NET WT. 110 LBS.

DIRECTIONS FOR USE

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

Refer to Technical Bulletin for Triclosan for additional information and processing instructions.

STORAGE AND DISPOSAL

Prohibitions

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide disposal

Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a safe place away from water supplies.

Container Disposal

Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

General

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

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TECHNICAL BULLETIN
FOR
Triclosan (EPA REG. NO. 4001-3)
SCHOLL, INC.

The systematic chemical name for the product is 2, 4, 4'-trichloro-2' hydroxy-diphenyl ether. Triclosan is the USAN non-proprietary name for this substance.

Chemical and Physical Properties

molecular weight:	289.5
melting point:	55-58°C
odor:	slightly aromatic
appearance:	white or off-white powder
purity:	99% minimum

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Solubility

Triclosan is practically insoluble in water, but is soluble in most organic solvents.

Volatility

The vapor pressure of Triclosan at 20°C is 4×10^{-6} mm Hg. At room temperature, the bacteriostat shows practically no evaporation. Volatilization may occur at high temperature. Triclosan has some volatility in steam. When a suspension of 1000mg Triclosan in 800ml distilled water is distilled, one finds about 180-200mg Triclosan in the first 500ml of distillate.

Chemical and Thermal Stability

Triclosan does not decompose under normal storage conditions and its thermal stability is excellent. Measured by differential thermal analysis, Triclosan does not decompose below 280-300°C.

No loss of bacteriostat in soap bars containing 1% Triclosan is found after storage for two years at room temperature. Autoclaving cotton cloth containing 200ppm Triclosan for 30 minutes at 121°C results in 500ml of distillate containing 0.15 grams of Triclosan.

Light Stability/Photodegradation

In formulated products, the light stability of Triclosan is adequate for most applications. Triclosan does not decompose measurably on exposure to sunlight. While no chemical decomposition products are found after exposure to UV light, some discoloration can be seen.

Stability in the Treated Articles

Stability data for the product in the treated item shows that the product is stable. After 2 years at room temperature, a minimum of 85% Triclosan is detected in the treated article.

Leachability

No significant leaching of Triclosan from the latex foam material is expected to occur.

Dosage

Triclosan	0.76%	w/w
Carrier (latex foam)	<u>99.24%</u>	w/w
	100.00%	

Directions for Use

Add 61 pounds of Triclosan to 7,939 pounds of a latex formulation consisting of 76% solids. Mix at room temperature and then pump through an aerating head, dispersing small bubbles of air throughout the system.

Pump this foamed material onto a carrier web. Pass under a doctor blade to adjust the thickness. Finally, pass the material through a curing oven set at a temperature of 290°F for sufficient time to drive off the moisture present and to cause the latex to set up as a solid.

It is anticipated that the treated article will maintain its bacteriostatic activity for a minimum of 3 months after the insoles are put into use.

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Restrictions on Use

The product is intended only for applying to latex foam formulations to be made into foam insoles. No additional uses for Triclosan are intended. While handling the Triclosan, prior to curing, all workers must wear respirators and rubber gloves. The foam slurry must be cured in an oven equipped with a hood for the removal of water and any volatile materials.