



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

AUG 16 2002

Mr. Thomas Isaac  
Sr. Regulatory Specialist  
**Stepan Company**  
22 W. Frontage Rd.  
Northfield, IL 60093

Subject: **PT 4.0 Pine Scent Disinfectant Detergent**  
EPA Registration No. 1839-112  
Application Dated June 18, 2002

Dear Mr. Isaac:

The following amendments, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable with comment.

**Proposed Amendments:**

- Revised label per PR Notice 2001-1
- Update Precautionary Statement
- Add Terminal Sterilant Statement per PR Notice 94-4
- Add additional use sites and environmental surfaces
- Expand Fungicidal Activity Section to include specific use sites

**Label Comments**

1. Under the Directions for Use section the statement "and other areas which are prone to odors caused by microorganisms" is too broad, and therefore must be deleted.
2. Remove the statement "Keep Out of Reach of Children" from the Precautionary Statements.

**CONCURRENCES**

SYMBOL							
SURNAME							

2 2 5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

General Comment:

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed label before you release the product for shipment bearing the amended label.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422 or Renae Whitaker at (703) 308-7003.

Sincerely,



Adam Heyward  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

Enclosure

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3 8 5

# PT 4.0 Pine Scent Disinfectant/Detergent

CLEANER  
DEODORIZER

DISINFECTANT  
FUNGICIDE (against pathogenic fungi)

### ACTIVE INGREDIENTS

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> )	
dimethyl benzyl ammonium chlorides .....	1.0%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl	
ethylbenzyl ammonium chlorides .....	1.0%
Pine Oil .....	4.0%
<b>INERT INGREDIENTS</b> .....	<b>94.0%</b>
Total .....	100.0%

KEEP OUT OF REACH OF CHILDREN

## DANGER

Do not use or store near heat or open flame.  
See side panels for additional precautionary statements.

EPA REG. NO. 1839-112  
EPA EST. NO. 1839-IL-01

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**

AUG 16 2002

**STEPAN COMPANY**  
22 West Frontage Road  
Northfield, IL 60093

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. *1839-112*

NET CONTENTS

(center panel)

Amend C/19/02

### DIRECTIONS FOR USE

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

PT 4.0 Pine Scent Disinfectant/Detergent, formulated with a quaternary-pine oil combination, is a broad spectrum bactericide and fungicide for use in nursing homes, hospitals, schools, lodging establishments, transportation terminals, office buildings, manufacturing facilities, retail businesses, and athletic/recreational facilities, where housekeeping is of prime importance. This formulation provides effective cleaning, deodorization and disinfection of walls, floors, sink tops, toilet bowls, tables, chairs, and telephones. For larger areas such as operating rooms, patient care facilities, and restrooms, this product provides both general cleaning and disinfection.

This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, sink tops, urinals, and other areas which are prone to odors caused by microorganisms.

This product may also be used as general cleaner for areas where a fresh pine scent is desirable.

*(Note: The terminal sterilant paragraph below is required when labels contain a medical institution claim.)*

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

**DISINFECTION** - To disinfect previously cleaned, inanimate, hard surfaces add 4 ounces of this product per gallon of water. Apply with a mop, cloth, sponge or hand-pump trigger sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**To disinfect toilet bowls:** pre-clean the bowl, flush toilet and add 4 ounces of this product directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

**BACTERICIDAL ACTIVITY** - When diluted at the rate of 4 ounces per gallon of water, this product exhibits effective disinfectant activity against the organisms: Staphylococcus aureus, Salmonella choleraesuis and Pseudomonas aeruginosa and meets all requirements for hospital use.

**FUNGICIDAL ACTIVITY** - When diluted at the rate of 4 ounces per gallon of water, this product is effective against the pathogenic fungus, Trichophyton mentagrophytes (Athlete's Foot Fungus), on hard surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, non-porous, hard surfaces commonly contacted by bare feet.

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

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**If in eyes:** 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 eye. Call a poison control center or doctor for treatment advice.

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

**If swallowed:** Call 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

*(OPTIONAL)* You may contact xxx/xxx-xxxx for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

*(Note: If container size is of 5 gallons or greater, the following Environmental Hazards statement must be used.)*

**ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a 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 treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE** - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**CONTAINER DISPOSAL** - Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke.

*For containers 1 gallon or less:* Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

**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.