

PM 32 1839-112

1043

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 24 1995

Stepan Company  
22 West Frontage Road  
Northfield, IL 60093

Attn: Bruce L. Greene,  
Regulatory Chemist

Subject: PT 4.0 Pine Scent Disinfectant/Detergent  
EPA Registration No. 1839-112  
Your Resubmission of July 1, 1994

EPA has completed its review of the Primary Eye Irritation study conducted on the subject product formulation and submitted under MRID# 43310701. This study was submitted in response to the Agency's letter of March 30, 1994 requesting data and/or rationale for your proposed upgrading of the subject product's signal word from "Warning" to "Danger". The following comments are a result of our review.

- The submitted acute eye irritation study is acceptable and supports the upgrading of the product label's signal word from "Warning" to "Danger".

- Based on the new study mentioned above, the product labeling with the revised signal word, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy is enclosed for your records.

1. In the Precautionary statements in the left-hand column of the label, revise the "avoid contamination of food" to read: "Avoid contamination of food, feed or water.".

One copy of the finished label must be forwarded to the Agency before the product bearing the amended labeling language is released for shipment.

CONCURRENCES

SYMBOL	2505C						
SURNAME	Jordan						
DATE	SEP 24 1995						

2013

If you should have any questions concerning this letter, you may call Robert Travaglino on (703) 305-6909.

Sincerely,



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (7505C)

**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 designed specifically for nursing homes, hospitals, motels, schools, and other institutions where housekeeping is of prime importance. This formulation provides effective cleaning, deodorizing and disinfection of walls, floors, and inanimate surfaces. When used as directed, this product will also deodorize those areas which generally are hard to keep fresh smelling, such as garbage pails, sink tops and bathroom areas including toilet bowls and urinals which are prone to odors caused by the growth of microorganisms.

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

**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 mechanical 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 fungi, Trichophyton mentagrophytes.

**Stepan** 

Stepan Company  
Northfield, IL 60093

**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>
	<b>100.0%</b>

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

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

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

ACCEPTED  
with COMMENTS  
to EPA Letter Dated

Under the  
Fungicide  
and  
Disinfectant  
Act

is a Fungicide.  
Act as  
Disinfectant.  
No

NET CONTENTS

**PRECAUTIONS  
HAZARDS TO HUMAN**

KEEP OUT OF REACH OF CHILDREN  
Causes severe eye irritation. Avoid contact with skin or on clothing. Wear protective gloves when handling. Avoid contamination of food and clothing. Wash hands after handling.

**STATEMENTS**

In case of contact, flush with large amounts of water for at least 15 minutes. Remove and wash contaminated clothing. If swallowed, drink large amounts of water. If symptoms are not available, consult a physician immediately.

Probable mucosal irritation. Avoid gastric lavage.

**STORAGE**

DO NOT CONTAMINATE  
STORAGE OR DISPOSAL

**STORAGE** - Store at or below 50°F or higher.

**CONTAINER DISPOSAL**

Triple rinse empty container. Do not reuse. Offer for recycling or sanitary landfill, or incineration by local authorities. Do not burn (sanitary landfill, incineration by burning). If burned, container (bottle, can, etc.) may be hazardous. For containers 1 gallon or less, place in trash.

**PESTICIDE DISPOSAL**

Do not mix with other pesticides. Improperly disposed mixture, or rinsate, may be hazardous. Wastes cannot be disposed of in trash. For instructions contact your local Pesticide Control Agency, or the nearest EPA Regional Office.