

The State Chemical Manufacturing Company
3100 Hamilton Avenue
Cleveland, OH 44114

MAR 15 1988

Attention: Tammy Westerman

Gentlemen:

Subject: STAPINE OIL Disinfectant and Deodorant
EPA Registration No. 1685-13
Your Amendment Dated September 22, 1988
EPA Received Date October 4, 1988

This is in response to the above subject matter. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five (5) copies of the finished labeling must be submitted.

The submitted data are adequate to support effectiveness of the product as a limited disinfectant against Salmonella choleraesuis at a 1:80 dilution on pre-cleaned, hard, nonporous surfaces for a contact time of 10 minutes.

Labeling

1. Include the major area(s) in which the product is recommended for use (e.g., homes, schools).
2. Change "For general disinfecting purposes" to read "For disinfecting purposes."
3. Under "For disinfecting purposes" revise the statement "After removal of soil and dirt from the premises, use 1 part of STAPINE diluted with 80 parts of water" to read "After thorough cleaning of surfaces, use 1 part of STAPINE diluted with 80 parts of water to wet all surfaces thoroughly using mop, sponge, or cloth. Allow to remain wet for at least 10 minutes."

57067:I:Dutch:K-3:KENCO:3/11/89:3/22/89:SG:EK:CT

CONCURRENCES

SYMBOL	H-7504-E						
SURNAME	V. Dutch						
DATE	3-16-89						

4. Include a statement such as "Fresh solution should be prepared daily or more often when the solution becomes diluted or soiled."

Should you have any further questions, please contact Veronica Dutch at (703) 557-6938.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7504C)

11 100-17 Pro efficiency - 7.91 16/8
BEST AVAILABLE COPY



STAPINE

**A Pleasing Pine Oil Disinfectant and Deodorant
A Limited Disinfectant Against Intestinal Bacteria
For External Use Only**

DIRECTIONS FOR USE

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

Toilet room, urinals and water closets: Add 1/2 cupful of STAPINE to each gallon of water and wash closets and urinal bowls regularly with the pine-emulsion, leaving the emulsion in the bowl as long as possible. Scrub the floor and seat frequently with the emulsion prepared as above described.

Floors: For mopping and scrubbing use two ounces of STAPINE to a gallon of water. Leave the diluted STAPINE disinfectant in contact with the treated surface 5 to 10 minutes.

For general disinfecting purposes: Dilute STAPINE with water at the ratio of 1 part disinfectant to 80 parts of water. After removal of soil and dirt from the premises, use 1 part of STAPINE diluted with 80 parts of water. The so-prepared emulsion of STAPINE functions as a disinfectant against *S. typhosa*.

To disinfect and deodorize garbage cans: First clean thoroughly, and then rinse the empty garbage can with a dilution of STAPINE which has been prepared by adding 4 ounces of STAPINE to one gallon of water. Leave the dilution in the can.

STORAGE AND DISPOSAL

Storage: Store this product only in its original container and place in a locked storage area out of the reach of children. Store at temperatures above 32°F. Do not store, use, spill or pour near heat, sparks or open flame. Keep container closed when not in use.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:
55 and 20 gallon containers: 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.
1 gallon container: Do not reuse empty containers. Wrap containers and put in trash.

**FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY
NOT FOR HOUSEHOLD USE OR RESALE**

88R5

ACTIVE INGREDIENTS

Steam Distilled Pine Oil 78.20%

INERT INGREDIENTS 21.80%

TOTAL 100.00%

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS
KEEP OUT OF REACH OF CHILDREN
CAUTION**

Causes eye and skin irritation. Avoid contact with skin, eyes or clothing.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink several glasses of water and call a physician immediately. Do not induce vomiting. Avoid alcohol.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN: Rinse off with water. Wash with soap and water. If irritation persists, contact a physician.

PHENOL COEFFICIENT 5 (A O A C method at 20°C against *S. typhosa*). STAPINE is a powerful disinfectant and effective deodorant made from high-grade steam distilled pine and vegetable oil soap. Upon its addition to water, STAPINE forms a stable snowy white emulsion. STAPINE is especially recommended for schools, industrial plants and public buildings of all kinds.

EPA Reg. No. 1685-13

EPA Est. No. 1685-OH-1

NET CONTENTS:

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 16 1989



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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1685-13

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