

1075 - 7210 - 11 - 11/21/85

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
49292-7

DATE OF ISSUANCE  
OCT 30 1985

TERM OF ISSUANCE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT  
PINF CLEAN D-25

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Formula Corp.  
2383 South 200th Street  
Seattle, WA 98198

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.

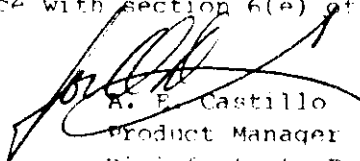
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any 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 registration notice is being issued in accordance with section 3(c)(7)(A) of the FIFRA subject to the following conditions.

(1) It is understood that you will submit and/or cite all data required for registration or reregistration of your product under section 3(c)(5) of the FIFRA when the Agency requires all registrants of similar products to submit such data.

(2) You will submit five copies of your finished printed labels complying with the requirements or revisions specified in the attachment to this registration notice. These labels must be submitted to the Agency before the product is released for shipment as required by PR Notice 82-2, of June 18, 1982.

A stamped copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of these conditions. If the conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of the FIFRA.

  
A. F. Castillo  
Product Manager #32  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE  
OCT 30 1985

ATTACHMENT TO EPA REGISTRATION NOTICE

EPA Registration No. 49292-7 Date Issued OCT 30 1985

Company Name Formula Corp.

Product Name PINE CLEAN D-25

The following requirements or revisions apply to the label which was accepted with this registration notice:

1. The registration number which has been assigned to this product must appear on the label as EPA Registration No. 49292-7.
2. The labels which will be used for this product in channels of trade must reflect these revisions.
3. Five copies of the finished printed labels, as defined in the A-79 enclosure, must be submitted to the Agency before the product is released for shipment to comply with PR Notice 82-2, of June 18, 1982.
4. The finished printed labels must comply with the general labeling requirements of section 162.10 of Title 40 of the Code of Federal Regulations. If the label does not satisfy these requirements it will be rejected.

# PINE CLEAN D-25

## QUATERNARY PINE-OIL

Disinfectant-Cleaner-Sanitizer-Fungicide  
Mildewstat-Deodorizer With Organic Tolerance  
For Medical & Non-Medical Use Areas\*  
Plus Disinfectant Hard Water  
(400 ppm Calculated As CaCO<sub>3</sub>) Tolerance  
For Non-Medical Use Areas\*\*  
Hospital-Institutional-Industrial and School Use

### Active Ingredients

Octyl decyl dimethyl ammonium chloride	0.570%
Diocetyl dimethyl ammonium chloride	0.285%
Didecyl dimethyl ammonium chloride	0.285%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride	0.760%
Pine Oil	2.500%
<b>Inert Ingredients</b>	<b>95.600%</b>
	<b>100.000%</b>

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**SEE LEFT PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**EPA Registration No.** 49292  
**EPA Establishment No.** 49292-WA-01  
**Net Contents**

Manufactured by:

Formula Corporation, Seattle, Wa 98188

**For Sale For Use And Storage  
By Maintenance Personnel Only**

### Directions for Use

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

*Pine Clean D-25* is a proven "one-step" cleaner-disinfectant - sanitizer - fungicide - mildewstat in the presence of organic soil.

Apply *Pine Clean D-25* to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks and bedframes with a cloth, mop, or mechanical spray. Surface must be sprayed until thoroughly wetted. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use becomes visibly dirty. Surfaces must remain wet for ten minutes.

**Disinfection — Non-Medical Use Areas\* — Schools, Institutions, and Industries.** At 2.5 oz. per gallon use level... The activity of *Pine Clean D-25* has been evaluated by the AOAC Use-Dilution method and found to be effective against a broad spectrum of gram positive and gram negative organisms as represented by:

- Serratia marcescens
- Salmonella typhi
- Staphylococcus aureus
- Salmonella choleraesuis
- Escherichia coli
- Streptococcus pyogenes
- Streptococcus faecalis
- Enterobacter aerogenes
- Shigella dysenteriae
- Brevibacterium ammoniagenes

**Non-Medical Use Areas\*\* —** At 5 oz. per gallon use level, the activity of *Pine Clean D-25* has been evaluated in the presence of both 5% blood serum and 400 ppm hard water against *Staphylococcus aureus*, *Salmonella choleraesuis* and *Escherichia coli*.

**Medical Use Areas\* — Hospitals and Nursing Homes.** At 5 oz. per gallon use level. At this dilution *Pine Clean D-25* is effective against *Pseudomonas aeruginosa*.

**Fungicidal Control —** At 2.5 oz. per gallon use level, *Pine Clean D-25* when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities. Fungicidal activity has been demonstrated in the presence of both 5% blood serum and 400 ppm hard water against *Trichophyton mentagrophytes* (the athlete's foot fungus).

**Mold and Mildew Control —** At 2.5 oz. per gallon use level, *Pine Clean D-25* will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat application when mildew growth returns.

**Sanitizing-Non-Food Contact Surfaces** (such as floors, walls, tables, etc.) At 1 oz. per gallon use level prepared in water up to 600 ppm hardness, *Pine Clean D-25* is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Cross-contamination in schools, medical... *D-25* has been found to be effective against contamination in...

*Pine Clean D-25* is effective against... fungicidal, and w... and their odors w...

*Pine Clean D-25* is for use on non-f... When used as d... surfaces in toilet... counters, garbag... other places wher...

**Precautionary  
Hazards to H**

Keep out of rea... eye damage and... on skin or on cl... and rubber gl... swallowed. Avo...

**STORAGE AND**  
—Do not contain... or disposal.  
—Do not reuse...  
—Rinse empty c... detergent and...

ACCEPTED PHYSICA... with COMMENTS... Do not use or s... EPA Letter Date:

OCT 30 1985

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

49292-7