

LABEL FACSIMILE

CENTER PANEL

PINE+FOUR  
Canyon Industries, Inc.  
April 18, 1984

PINE+FOUR

With Organic  
Soil Tolerance

Pine Oil-Quaternary Combination  
for  
Disinfecting-Cleaning-Deodorizing  
in  
Hospitals, Institutions, and Industry

**Active Ingredients**

Octyl decyl dimethyl ammonium chloride	0.570%
Dioctyl 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%
<u>Inert Ingredients</u>	<u>95.600%</u>
	100.000%

**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. 45414-  
EPA Establishment No. 45414-AZ-01

Net \_\_\_ Gallon

FOR SALE FOR USE AND STORAGE  
BY MAINTENANCE PERSONNEL ONLY

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
45414-10  
JUL 17 1984

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

BEST DOCUMENT AVAILABLE



DISINFECTANT-CLEANER-DEODORIZER-FUNGICIDE  
SANITIZER-MILDEWSTAT

- With Organic Soil Tolerance for Medical and Non-Medical Applications.\*
- Plus Disinfectant Hard Water (400 ppm Calculated as CaCO<sub>3</sub>) Tolerance for Non-Medical Use Areas.\*\*

Directions for Use  
GENERAL CLASSIFICATION

BEST DOCUMENT AVAILABLE

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

Pine+Four is a proven "one-step" cleaner and disinfectant that combines the broad spectrum germicidal effectiveness of four quaternary compounds with the fresh clean smell and long-lasting deodorizing properties of pine oil. Pine+Four may be used with confidence, even in the presence of organic soil, in both medical and non-medical facilities as a disinfectant-cleaner-sanitizer-deodorizer-fungicide-mildewstat.

Apply Pine+Four to walls, floors and other hard (inanimate) surfaces such as tables, countertops, sinks, bedframes, chairs, and restroom fixtures with a cloth, sponge, mop, or mechanical sprayer (surfaces must be sprayed until thoroughly wetted). For extremely soiled areas a preliminary cleaning is required. A fresh solution should be prepared daily or when use solution becomes visibly dirty. Surfaces must remain wet for ten minutes.

DISINFECTION-CLEANING-DEODORIZING

Non-Medical Environments\*

To clean, disinfect, and deodorize in schools, institutions, and industry use 2.5 oz. per gallon of water. The disinfecting ability of Pine+Four has been proven by the AOAC Use-Dilution Method in the presence of 5% organic soil to be effective against a broad spectrum of gram positive and gram negative micro-organisms as represented by:

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

Non-Medical Environments\*\*

At 5 oz. per gallon use level, the disinfecting activity of Pine+Four has been proven effective in the presence of both 5% organic soil and 400 ppm hard water against Staphylococcus aureus, Salmonella choleraesuis, and Escherichia coli.

Medical Environments\*

For disinfecting, cleaning, and deodorizing in hospitals and nursing homes dilute 5 oz. per gallon of water. At this use level Pine+Four is effective against Pseudomonas aeruginosa.

Manufactured by Canyon Industries, Inc., Phoenix, Arizona 85034

Pine+Four is a concentrated cleaner and proven disinfectant that leaves a light, outdoor-fresh pine odor wherever it's used. It has been formulated to aid in the reduction of cross-contamination by harmful micro-organisms in schools, medical institutions, and industry. In a single time-saving, labor-saving step, Pine+Four provides effective germicidal action against a broad spectrum of bacteria, is fungicidal, and will prevent the growth of mold and mildew and the unpleasant odors they cause when used as directed. It is also effective as a one-step sanitizer-cleaner for use on non-food contact surfaces.

#### DEODORIZING ACTION

The disinfecting action of four quaternary compounds teamed up with the natural deodorizing properties of pine oil make Pine+Four a very effective deodorizer when used on surfaces in toilet areas, shower and bath facilities, exercise areas, behind and under sinks and counters, in garbage cans and garbage storage areas, animal areas, and other locations where the growth of bacteria can cause mal odors.

#### SANITIZING NON-FOOD CONTACT SURFACES

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

#### FUNGICIDAL ACTIVITY

Pine+Four has demonstrated fungicidal effectiveness in the presence of both 5% blood serum and 400 ppm hard water against *Trichophyton mentagrophytes* (athlete's foot fungus) when diluted 2.5 oz. per gallon of water. Recommended areas of treatment are surfaces in dressing rooms, shower and bath areas, locker rooms, swimming pool and spa decking, and exercise facilities.

#### MOLD AND MILDEW CONTROL

When diluted 2.5 oz./gallon of water Pine+Four 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 on right panel). Allow solution to dry on surface and repeat application when mildew growth returns.

BEST DOCUMENT AVAILABLE

LABEL FACSIMILE

LEFT PANEL (Cont'd)

PINE+FOUR  
Canyon Industries, Inc.  
April 18, 1984

PRECAUTIONARY STATEMENTS, HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

**DANGER**

Keep out of reach of children. Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Harmful if swallowed. Do not breathe spray mist. Avoid contamination of food.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

BEST DOCUMENT AVAILABLE

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>OFFICE OF PESTICIDES PROGRAMS</b> REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE July 17, 1984
	TERM OF ISSUANCE <b>JUL 17 1984</b>	
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<p>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.</p> <p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>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.</p>		
<p><b>BEST DOCUMENT AVAILABLE</b></p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

ATTACHMENT TO EPA REGISTRATION NOTICE

EPA Registration No. 45414-10 Date Issued July 17, 1984

Company Name: Canyon Industries, Inc.

Product: Pine + Four

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. 45414-10.
2. Delete the "General Classification" statement from the label. This formulation has not yet been classified.
3. The labels which will be used for this product in channels of trade must reflect these revisions.
4. 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.
5. The finished printed labels must comply with the general labeling requirements of Section 162.10 of Title 40 of the Code of Federal Regulations. Failure to do so may result in rejection of the labels.

BEST DOCUMENT AVAILABLE