

PA132. 47870-1  
P. 1

Graphics, Inc.  
Job Number: 3152  
Client: ABERCO  
Disk Number: 0724  
File Name and Page Number: 3152-3  
Date and Typesetter: 3-9-90, Lois  
Disk Corrected: 3-13-90, Lois

# PROPYLENE OXIDE

ACTIVE INGREDIENT.....100%  
This product contains 6.92 lbs. of active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

**DANGER**

## STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center. Induce vomiting. Never give anything by mouth to an unconscious person.  
**NOTE TO PHYSICIAN:** Possible mucosal damage may contraindicate the use of gastric lavage.

**IF IN EYES:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**IF INHALED:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. **CALL A PHYSICIAN.**

**IF ON SKIN:** Wash off with soap and water while removing contaminated clothing and shoes. **CALL A PHYSICIAN.**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured by ABERCO, INC.  
Seabrook, Md.

Establishment No. 588666-TX-001

EPA Registration No. 47870-1  
CA Registration # 47870 00001 AA

NOTIFICATION  
LABEL NOT REVIEWED  
PER PR NOTICE 88-4

DATE **AUG 28 1990**

Net Contents 370 lbs.

Graphica, Inc.  
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### PHYSICAL OR CHEMICAL HAZARDS

#### EXTREMELY FLAMMABLE

This product is an extreme fire hazard. The flash point is -35°F Tag Open Cup and the flammable limits of vapor in air, in percent by volume are 2.1 lower and 38.5 upper. Keep away from heat, sparks, open flame and heated surfaces.

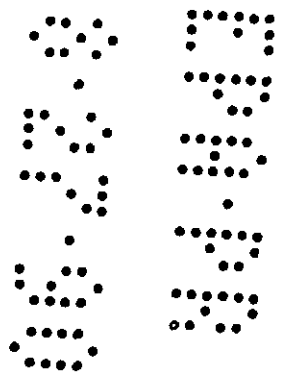
#### IN CASE OF FIRE, SPILL OR LEAK

**Fire.** Use carbon dioxide or dry chemical on small fires and "alcohol" foam on large fires. Water spray may be ineffective, but use water to keep exposed drums cool. In advanced or massive fires, firefighting should be done from a safe distance or a protected location. Wear self-contained breathing apparatus and full protective clothing.

**Spill or leak.** Evacuate immediate area of spill or leak. Use SCBA or combination air-supplied respirator/SCBA for entry into affected area to correct problem. Move leaking or damaged cylinders outdoors or to an isolated location away from sources of ignition, observing strict safety precautions. Work upwind if possible. Wash fumigant into soil or cover with soil or other absorbent material. Do not permit entry into spill area by unprotected persons until concentration of propylene oxide is determined to be less than 20 ppm.

#### DO NOT CONTAMINATE CONTENTS

Hazardous polymerization may occur. Do not allow foreign material to get into this drum, particularly acidic or alkaline materials.



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## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS & DOMESTIC ANIMALS

## DANGER

**CORROSIVE** Causes eye damage and skin burns. Harmful or fatal if inhaled or swallowed.

**DO NOT GET IN EYES** Wear vaporproof goggles. Do not put finger in eyes.

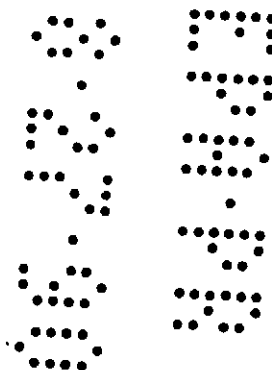
**DO NOT GET ON SKIN OR CLOTHING** Wear protective clothing, rubber gloves and wash before reuse. Discard contaminated leather shoes.

**DO NOT BREATHE** Wear a self-contained breathing apparatus of a type jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.

If the concentration of vapor in the workroom exceeds 20 ppm by volume, respiratory protection is required.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



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### DIRECTIONS FOR USE

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

This fumigant is a highly hazardous material and should be used only by individuals trained in its proper use. Before using, read and follow all label precautions and directions.

All persons working with this fumigant should be knowledgeable of the hazards of this chemical, and trained in the proper use of required respirator equipment and detector devices, emergency procedures, and use of the fumigant.

To aid in the control of microbiological spoilage and as an insecticidal fumigant for the control of stored products insects. To reduce bacterial and mold contamination in processed spices, cocoa, processed nutmeats (except peanuts), add in vacuum and in retorts not more than 2.4 ounces propylene oxide in vapor form per cubic foot of space in the retort. Exhaust retort within four hours and air wash with 4 chamber volumes of air. Temperature should not be in excess of 125° F.

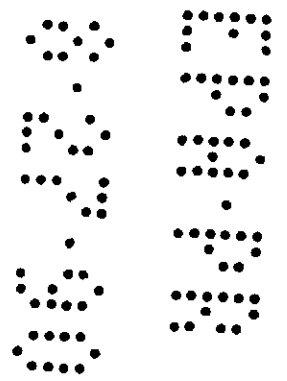
#### PROTECTIVE CLOTHING, RESPIRATOR USE, AND STORAGE OF TREATED COMMODITIES

**CLOTHING AND EYE PROTECTION:** Wear waterproof full-body clothing that is cleaned after each wearing or disposable protective clothing. Wear rubber gloves, boots and apron when handling liquid. If full-face respiratory protection is not required, wear goggles or full face shield for eye protection when handling liquid. Do not reuse contaminated clothing until cleaned.

**RESPIRATORY PROTECTION:** If the concentration of propylene oxide in the working area, as measured by an MSA No. 469518 detector tube used with an MSA Samplar pump, or a Miran 101 Specific Vapor Analyzer, (for additional information contact ABERCO, Inc.) does not exceed 20 ppm (4mg. per cubic meter), no respiratory protection is required.

If this concentration is exceeded at any time, all persons in the fumigation area must wear the following NIOSH/MSHA approved respirator types:

CEILING	RESPIRATOR
UP to 1000 ppm	Full face chemical cartridge respirator with organic vapor cartridge or Gas mask with organic vapor canister
UP to 2000 ppm	Full face supplied air respirator



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These devices must also be used when the air level of propylene oxide is not known and may be elevated such as emergency entrance, spills, and leaks.

**Aeration and Re-entry:** After fumigation, treated areas must be aerated until the level of propylene oxide is below 20 ppm. Do not allow entry into the treated area by any person before this time unless provided with a respiratory protection device (SCBA or combination air-supplied/SCBA) approved by NIOSH/MSHA.

**Placarding:** The applicator must placard or post all entrances to the fumigated area with signs bearing:

1. The signal word 'Danger' and the skull and crossbones symbol.
2. The statement 'Area under fumigation. DO NOT ENTER.'
3. Date of fumigation.
4. Name of fumigant used.
5. Name, address and telephone number of the applicator.

Do not remove a placard until the treated space is completely aerated. To determine whether aeration is complete, each fumigated site must be monitored and shown to contain less than 20 ppm propylene oxide. If less than 20 ppm propylene oxide is detected, the placard may be removed.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or food by storage or disposal.

### STORAGE

Store in well ventilated, cool, secure area away from heat, flame, sparks, electrical equipment or other ignition sources.

### EMPTYING DRUMS

Electrically ground drum. The best procedure is to displace the contents with an inert gas. DOT5P drums should be pressurized with 50 lbs of Nitrogen during unloading and before returning. For details, read the brochure "Propylene Oxide" available from this company.

### DRUM DISPOSAL

#### DRUM DISPOSAL

This product is packaged in a DOT5P drum which is re-fillable. Return the empty drum to supplier for cleaning and re-filling. Empty drum may contain explosive vapor.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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.

