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9/15/2000

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47870-1



ACCEPTED SEP 15 2000 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 47870-1



CAS 75-56-9

UN1280

PROPYLENE OXIDE

ACTIVE INGREDIENT
Propylene Oxide 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. Do not 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, Maryland

EPA Registration No. 47870-1
CA Registration No. 47870 00001 AA
36592-CA-1

Net Contents 366 lbs.

PRECAUTIONARY STATEMENTS
HAZARDOUS TO HUMANS & DOMESTIC ANIMALS
DANGER

COMBUSTIBLE: Causes eye damage and skin burn; harmful or fatal if swallowed.

DO NOT GET IT IN EYES: Wear full face shield and respiratory goggles when opening drums or handling product. Avoid touching gloves or hands to eyes after handling until possible. Wash eyes if touched out of handling. If water does get in eyes flush immediately with water for 15 minutes, seek immediate medical attention.

DO NOT GET ON SKIN OR CLOTHING: Wear protective clothing, rubber gloves, and wash before re-use. Do not use contaminated washers or shoes in the home. Do not wear clothing or shoes which are contaminated on work or clothing. Immediately remove contaminated clothing and promptly wash contaminated skin with soap and water. Flush promptly if contaminated.

DO NOT BREATHE VAPORS OR FUMES: If the concentration of propylene oxide in the workroom or area exceeds 20 ppm by volume, respiratory protection is mandatory. For respiratory protection, use 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 or an equivalent breathing apparatus.

BREATHING DRUMS: Drums may be under pressure when opened. Release pressure by slowly opening the upper 2 burcocks side of the drum. If the hissing sound is heard do not further open the drum. If the hissing sound stops, continue opening until drum and walling unit are hissing stops. Only when small bung has been completely opened is the pressure to be considered as relieved. See CLOTHING AND EYE PROTECTION section for protective gear that must be worn.

EMPTYING DRUMS: Empty drums to a dedicated procedure to avoid the release of vapors. Empty drums to a dedicated procedure to avoid the release of vapors. Empty drums to a dedicated procedure to avoid the release of vapors.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified.

PHYSICAL OR CHEMICAL HAZARDS

EXTREMELY FLAMMABLE: The flash point is 35°F at 1 atm (open cup) and the flammable limit in vapor in air is 2.1% lower and 35.5 upper. Keep away from heat, sparks, open flame and heated surfaces.

IF IN CASE OF FIRE, SPILL OR LEAK: Use carbon dioxide or dry chemical on small fires and "accord" foam on large fires. Water spray may be used for extinguishing the flammable liquid 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. Observe strict safety precautions. Work upward if possible. Wear self-contained breathing apparatus, eye protection, and full protective clothing. Do not enter into spill area by untrained personnel 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.

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

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

DRUM DISPOSAL: Fused drum is filled with solvent gas. The best procedure is to replace bung immediately after disconnecting drum and give drum to recycler. Otherwise, empty drum may contain explosive vapor and should be filled with water immediately after use. Triple treat for equivalent. Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill by other procedures approved by state and local authorities.

Pesticides 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 according to label instructions, contact your State Pesticide Environmental Control Agency or the National Pollution Discharge Elimination System representative at the nearest EPA regional office for guidance.

DIRECTIONS FOR USE
It is a violation of label to use this product in a manner inconsistent with its labeling.

This fumigant is a highly hazardous material and should only be used 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 standard respiratory equipment and disaster evictions, emergency procedures, and use of this fumigant.

To aid in the control of microbiological spoilage and as an insecticidal fumigant for the control and stored products' insects. To reduce bacterial and mold contamination in processed spices, social, and processed nutmeats (except peanuts).

Treated materials must be allowed to off-gas for at least 28 days with the off-gassing temperature no less than 25°C unless it has been determined that propylene oxide residues are less than 300 ppm. NOT FOR USE ON COCCA IN CALIFORNIA

PROTECTIVE CLOTHING AND RESPIRATOR USE, AND STORAGE OF TREATED COMMODITIES

CLOTHING AND EYE PROTECTION

When contact with liquid propylene oxide can occur, such as when handling containers or filling bales or totes, the following protective clothing is worn; full body protection including solvent proof gloves, clothing, hat, apron, boots, and waterproof goggles and full face mask / SCBA is not required. Do not re-use contaminated clothing until washed. Discard contaminated leather shoes.

RESPIRATORY PROTECTION

If the concentration of propylene oxide in the working area, (working area includes all holding or storage areas for treated commodities in any off-gassing area) as measured by a Dräger Multi Gas Detector (see Dräger Tools Kit 28 2711) is 10 ppm or more, a self-contained breathing apparatus (SCBA) is required. For additional information, see ABERCO leaflet 20200 (mandatory) and use of a full face self-contained breathing apparatus (SCBA) jointly approved by ABERCO and NIOSH or an ambient air breathing apparatus is mandatory. The use of an approved SBCA or ambient air breathing device is also required when the air level of propylene oxide is not known and/or may be elevated such as in emergency entrance, spill, and leaks.

WHEN USED ALONE: Add product in a vacuum to fumigator (not to not more than 2.4 ounces propylene oxide in vapor form per cubic foot of space in the fumigator). Temperature should not be in excess of 125°F. Empty the fumigator within four hours and air wash with four chamber volumes of air.

WHEN USED IN COMBINATION WITH AN INERT GAS SUCH AS CARBON DIOXIDE OR NITROGEN: Propylene oxide may be used in combination with carbon dioxide or nitrogen, which is added to the fumigation with propylene oxide. This reduces the flammability of the gases in the fumigation and increases the efficiency of heat transfer to the items being treated. The approved mixture is 9% propylene oxide and 91% inert gas. In a vacuum, obtained by adding propylene oxide, in a vacuum, to the fumigator not more than 0.2 ounces per cubic foot of space in the fumigator. Carbon dioxide or nitrogen may then be added to restore ambient pressure, taking care not to vent propylene oxide during addition of the inert gas. When the mixture is used, the fumigation time may be extended to up to 10 days. After treatment, use the off-gassing procedures of 125°F.

AERATION AND RE-ENTRY

After fumigation, treated areas must be airtight 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 an MSHA/NIOSH approved SCBA.

PLACARDING

The applicator must placard or post at entrances to the fumigated area with signs bearing:

- The signal word "DANGER" and the skull and cross-bones symbol.
- The statement "Area under fumigation. DO NOT ENTER."
- Date of fumigation.
- Name of fumigator.
- Name, address, and telephone number of the applicator.

Do not remove a placard until the treated space is completely empty. Do not remove a fumigation placard until the fumigation has been completely empty for 20 ppm propylene oxide inside. If less than 23 ppm propylene oxide is detected, the placard may be removed.