All handlers must wear at a minimum:

- A material that is chemical-resistant to this product is butyl rubber.

### Personal Protection Equipment (PPE):


### Precautions:

Skin and eyes contact: Wash thoroughly with water after contact. Do not expose to sunlight. Remove contaminated clothing and shoes. Do not eat, drink, or smoke in areas where ETO is handled or stored. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the bathroom. Do not contaminate water sources.

### Inhalation Precautions:

- Follow the respirator manufacturer’s user’s instructions for changing canisters.

### Fire and Explosion Precautions:

- Keep container covered with a lid or fog nozzle to keep container cool.

### Physical and Chemical Hazards:

- Danger! Flammable liquid and gas.

### Hazardous Ingredients:

- ETO: 1-2-3-trichloro-1,1,2-trifluoroethane.

### Target Organs:

- May cause nervous system damage, drowsiness, headache, depression, confusion, sleepiness, nausea, and vomiting.

### Other Health Hazards:

- Other possible delayed health effects: Delayed skin irritation or blisters, allergic skin reaction.

### Immediate Life-Support Measures:

- IF IN EYES: Rinse eyes or flush with running water for 15-20 minutes while removing contaminated clothing and shoes. Call a poison control center or doctor immediately for further treatment advice.

### Initial Medical Treatment Measures:

- IF INHALED: Provide oxygen. Call a poison control center or doctor immediately for further treatment advice.

### Sanitation:

- Handle carefully to prevent disposal in sewers. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Employers in facilities that use ETO must comply with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting requirements of a Discharge Elimination Region of the Environmental Protection Agency.

### Disposal:

- Do not dispose of this material in the environment. Contact your local waste disposal agency or call 1-800-CLEANEAT (center) for information on how to dispose of this product.

### Other:

- Keep out of reach of children.
Sterilization/fumigation with ETO must be performed only in vacuum or gas tight chambers designed for use with ETO.

Safety and awareness training is required for all employees including office staff. Information and training must be provided at the time of initial assignment and annually thereafter. The safety training must include, at a minimum, the following information:

1. The most recent monitored ambient levels of ETO in the facility;
2. The potential health effects from the levels of ETO in the facility;
3. The emergency response plan and how to respond in an emergency;
4. The availability of the Material Safety Data Sheet and other materials related to the health hazards of exposure to ETO.

In order to reduce ambient levels of ethylene oxide, lengthy facility aeration is encouraged. Achieving an ambient level of 0.25 ppm (measured as a daily time weighted average) greatly reduces potential, long-term risks to employees not directly involved in the ethylene oxide applications. Air monitoring should include the entire facility including office space, break areas, and loading/unloading areas.

For complete use directions (including type of surfaces, objects, or items/products recommended for treatment, pre-cleaning instructions, concentration of gas per unit volume of closed space to be treated, exposure time/temperature, relative humidity, ventilation/ aeration time, and method of monitoring to be used) refer to the ethylene oxide gas sterilizer manufacturer’s Operators Manuals.

Always remove plastic cap prior to use. Remove the cap by hand. Do not use tools to remove cap.

This product may be used only to sterilize or fumigate medical or laboratory items, pharmaceuticals, and aseptic packaging (see 21 CFR 201.1(d)(5)), or to reduce microbial load on cosmetics, and artifacts, archival material or library objects. Sterilization/fumigation with Ethylene Oxide must be performed only in vacuum or gas tight chambers designed for use with Ethylene Oxide.

Ethylene Oxide cycle parameters depend on several sterilizing/fumigating variable factors: pre-conditioning (if any); exposure time; chamber air pressure; gas concentration; types and quantities of items to be sterilized/fumigated; packaging; load configuration in the chamber; microbial challenge method; desired degree of disinfection; and the desired performance of the sterilized/fumigated product and package. The sterilization/fumigation cycle parameters should be those prescribed by the equipment manufacturer. If other cycle parameters are used, the safety and efficacy of the alternate cycle parameters must be validated and are the responsibility of the user.

NEVER USE PARAMETERS WHICH ALLOW FLAMMABLE MIXTURES OF ETHYLENE OXIDE AND AIR TO ENTER THE CHAMBER.

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

Pesticide Storage:
Store at room temperature. Store in accordance with 29 CFR 1910.1047.

Pesticide Disposal:
Do not puncture or incinerate unused cartridges. Aerate empty cartridges according to instructions in equipment manual. After aeration offer for recycling or dispose of with nonincinerated waste.

Cap Disposal:
Dispose of plastic cap in regular trash or according to your facility’s policy.

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