



- Reactivity** : Violent polymerisation occurs on contact with ammonia, alkali hydroxides, amines, potassium acids, covalent halides. Explosive reaction with glycerol at 200 deg C.
- Hazardous Reaction Products** : It reacts with chloride and water to produce two active germicides, 2-chloroethanol and ethylene glycol.

## 5. HEALTH HAZARD DATA

**Routes of entry:** Inhalation, Ingestion, Eyes & Skin

### Effects of Exposure / Symptoms:

Inhalation: Pulmonary irritation is a common symptom after inhalation. Pulmonary edema may be seen with acute exposures. Pneumonia may be a complication of ethylene oxide exposure. A rare report of asthma has also been reported. Skin: May be toxic/fatal if absorbed through skin. Contact may cause burns, severe injury and/or frostbite. Eyes: Contact may cause burns, severe injury and/or frostbite. Ingestion: Nausea, vomiting and diarrhea may occur.

### Emergency Treatment :

- Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.
- Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Get medical aid.
- Eyes:** Irrigate exposed eyes with copious amounts of tepid water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.
- Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

<b>LD50 (oral-rat) mg/kg:</b>	330 mg/kg	<b>STEL:</b>	
<b>LC50 (rat) mg/kg:</b>	1462 ppm/4 hr	<b>Odour Threshold:</b>	50 ppm
<b>Permissible Exposure Limit:</b>	1 ppm	<b>TLV (ACGIH) :</b>	1 ppm

NFPA Hazard	Health	Flammability	Reactivity	Special
Signals	3	4	3	

## 6. PREVENTIVE MEASURES

- Personal Protective Equipment** : Provide air-supplied mask, safety goggles, face shield, rubber shoes and hand gloves.
- Handling** : Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage** : Keep in under positive nitrogen pressure and preferably refrigerated. Store away from heat , flame and sparks.
- Precautions** : Avoid contact with liquid or vapours.

## 7. EMERGENCY / FIRST AID MEASURES

### FIRE:

- Fire Extinguishing Media** : Extinguish with alcohol foam, carbon dioxide, dry chemical or water spray, fog, or foam.
- Special Procedure** : Move container from fire area if you can do so without risk. Stay away from ends of tanks. Fight fire from maximum distance. For massive fire in cargo area, use unmanned hose holder or monitor nozzles.
- Unusual Hazards** : Severe explosion hazard when exposed to flame.

**EXPOSURE: First Aid Measures:**

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Get medical aid.

**Eyes:** Irrigate exposed eyes with copious amounts of tepid water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**Antidotes / Dosages:****SPILLS :**

**Steps To Be Taken** : Shut off leaks if without risk. Contain the leaking liquid with sand or earth. Shut off all possible sources of ignition and increase ventilation.

**Waste Disposal Method:** Place in suitable containers for disposal. Allow to burn under control condition.

**8. ADDITIONAL INFORMATION / REFERENCES**

A very dangerous fire hazard when exposed to heat or flame. Severe explosion hazard when exposed to flame. A suspected human carcinogen

**9. MANUFACTURERS / SUPPLIERS DATA**

**NAME OF FIRM :**

**Contact person**

**MAILING ADDRESS :**

**in Emergency :**

**TELEPHONE / TELEX NOS :**

**Local Bodies involved :**

**TELEGRAPHIC ADDRESS :**

**Standard Packing :**

**OTHERS :**

**Trem Card Details / Ref :**

**10. DISCLAIMER**

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