

## Saudi Industrial Ethylene Oxide and Freon-12

INGREDIENTS	CAS NO	%	8HR OEL
ethylene oxide	75-21-8	12	1.8 mg/m3
dichlorodifluoromethane	75-71-8	88	4950 mg/m3



UN No: **1953**  
 Hazchem Code: **2PE**  
 DG Class: **2.3**  
 Subsidiary Risk: **2.1**  
 Packing Group: **Not Applicable**  
 Poisons Schedule: **Not Applicable**



## NFPA Rating:

- ▶ 0: Minimum
- ▶ 1: Low
- ▶ 2: Moderate
- ▶ 3: High
- ▶ 4: Extreme

## PROPERTIES



Gas.

Mixes with water. Forms very sensitive explosive metallic compounds.

Extremely flammable.

Does not burn.

## EMERGENCY



## FIRST AID

<b>Swallowed:</b>	Contact Doctor or Poisons Centre. Do NOT give milk or oil. Do NOT give alcohol.
<b>Skin:</b>	Flood body with water. Remove contaminated clothing. Wash with water
<b>Advice To Doctor:</b>	NO adrenalin. NO adrenalin.
<b>Fire Fighting:</b>	Keep containers cool. Keep surrounding area cool. Water spray/fog.
<b>Spills and Disposal:</b>	Eliminate ignition sources. Consider evacuation. Pollutant. Dilute with water.

## SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS

Flammable	Explosive	Toxic	Radioactive	Oxidizing
x	x	x	x	x

x — Must not be stored together

## HEALTH HAZARD INFORMATION



**Acute Health Effects:** Toxic by inhalation.  
Irritating to eyes, respiratory system and skin.

**Chronic Health Effects:** May cause CANCER.  
May cause heritable genetic damage.  
\* – limited evidence

## PRECAUTIONS FOR USE



<b>Glasses:</b>	Consider chemical goggles.
<b>Gloves:</b>	1.NEOPRENE 2.NITRILE
<b>Respirator:</b>	Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)
<b>Storage and Transportation:</b>	Restrictions on Storage apply. Refer to Full Report.
<b>Fire/Explosion Hazard:</b>	HIGHLY FLAMMABLE. Toxic smoke/fumes in a fire. Risk of explosion if heated under confinement.
<b>Environment:</b>	Dangerous for the ozone layer. Use appropriate container to avoid environmental contamination.