



Product Name: ETHYLENE OXIDE
MSDS Number: C00060
Version Date: 3/1/1999

Material Safety Data Sheet

-----1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION-----

PRODUCT NAME: ETHYLENE OXIDE

SYNONYMS: ALPHA, BETA-OXIDOETHANE
DIHYDROOXIRENE
DIMETHYLENE OXIDE
OXACYCLOPROPANE
OXANE
OXIDOETHANE
OXIRAN
OXIRANE
1,2-EPOXYETHANE

TRANSPORTATION EMERGENCY PHONE
NUMBER (24 HOURS/DAY):
In USA, call800 424 9300.

-----2. COMPOSITION / INFORMATION on INGREDIENTS -----

COMPONENT	CAS NUMBER	
ETHYLENE OXIDE *	75-21-8	99.95%

*OSHA hazardous according to 29 CFR 1910.1200

-----3. HAZARDS IDENTIFICATION-----

EMERGENCY OVERVIEW

Ethylene oxide is a colorless gas with a sweet ether-like odor. Odor threshold: 500 ppm.

DANGER!

Extremely flammable liquid vapor (flashpoint: Tag Closed Cup, -4 °F; Tag Open Cup, <0 °F); vapor may cause flash fire.

Ethylene oxide vapor will decompose explosively when exposed to temperatures of 1040 °F and higher. May polymerize explosively if contaminated. Vapor is heavier than air and can travel considerable distance to a source of ignition and flash back.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE:

Skin, eyes, inhalation, ingestion.