

11249

MATERIAL SAFETY DATA SHEET

DIETHYLENE GLYCOL

SYNONYMS:

2,2-Oxybisethanol  
Diglycol  
Glycol ethylether

CAS NUMBER:

111-46-6

RTECS NUMBER:

ID5950000

PHYSICAL DATA:

Molecular Weight: 106.14  
Physical State: Hygroscopic liquid  
Appearance: Colorless  
Odor: Odorless  
Solubility in Water: Soluble  
Boiling Point: 472°F(244°C)  
Melting Point: -10.45°C  
Vapor Pressure: 1.12 mmHg at 15°C  
Specific Gravity: 1.1  
Vapor Density: 3.6

PHYSICAL HAZARD DATA:

Flash Point: 255°F(124°C)  
Upper Explosion Limit: 10.8%  
Lower Explosion Limit: 1.6%  
Auto Ignition Temperature: 435°F(224°C)

(1070-1)

2057469028

Extinguishing Media: Dry chemical, carbon dioxide, water spray or foam.

Hazardous Decomposition Products: May release acrid smoke and irritating fumes.

Reactivity: Stable under normal temperatures and pressures. Polymerization will not occur.

---

HEALTH HAZARD DATA:

OSHA and ACGIH Threshold Limit Value: None established.

Carcinogen Status: None

Route of Entry: Central nervous system depressant. Eye and mucous membrane irritant.

Medical Conditions Aggravated by Exposure:

Inhalation: May cause nystagmus and lymphocytosis.

Skin Contact: May cause dermatitis.

Eye Contact: None reported.

Ingestion: May cause vomiting and headache.

First Aid:

Inhalation: Remove individual to fresh air immediately. Seek prompt medical attention.

Skin Contact: Wash affected area with soap or mild detergent and large amounts of water.

Eye Contact: Immediately wash eyes with copious amounts of water. Forcibly hold eyelids apart to insure irrigation of all eye and lid tissue.

(1070-1)

2057469029

11249

Ingestion:

If victim is conscious and not convulsive, immediately give large quantities of water and induce vomiting.

---

PRECAUTIONS FOR SAFE HANDLING AND USE

Eye Protection:

Safety Goggles.

Skin Protection:

None required.

Ventilation Recommended:

Local exhaust.

---

ENVIRONMENTAL PROTECTION PROCEDURES:

Shut off ignition sources. Do not touch spilled material. Take up with sand or other absorbant material and place into small containers for disposal. Dispose of by means as to comply with all local, state, and federal regulations or contact an approved and licensed disposal agency.

---

The above information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied.

---

Henry B. Castaneda  
Technical Superintendent

Date of Preparation: 04/22/86  
(1070-1)

2057469030