

MATERIAL SAFETY DATA SHEET

Product Name: DMAE (Dimethylaminoethanol)
Catalog Number: 21375
DOT Hazard Class: 8 (subrisk 3) (Product packaged as Excepted Quantity)
DOT Proper Shipping Name: Dimethylaminoethanol
UN/NA ID No.: UN 2051
MSDS Prepared: 8/09

Distributed By: Ladd Research
83 Holly Court
Williston, VT 05495
(802) 658-4961

HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Dimethylaminoethanol	108-01-0	>99	Not Available

PHYSICAL AND CHEMICAL DATA

Boiling Point: 130-137°C
Freezing Point: -59°C
Molecular Weight: 89.14
Specific Gravity: 0.883-0.888 @ 20/20°C
Vapor Pressure: 4 mm Hg @ 20°C
Vapor Density: 3.1 (air = 1)
Solubility in Water: Complete
Appearance and Odor: Water white liquid with amine odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 40°C (Tag Closed Cup)
Extinguishing Media: Water spray, water fog, CO₂, dry chemical, alcohol foam, foam. Water may be effective for cooling containers, but may not put out fire.
Special Fire Fighting Procedures: Do not direct water stream into burning liquid.

HEALTH HAZARD DATA

Primary Routes of Entry: Eyes, skin, mucous membranes, inhalation
Eyes: Causes burns. May cause blindness
Skin: Causes burns. Readily absorbed through skin
Inhalation: Coughing, wheezing, laryngitis, shortness of breath. Extreme overexposure may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonia, pulmonary edema.

EMERGENCY AND FIRST AID

Ingestion: Do not induce vomiting. Give plenty water. Get medical attention.

Skin: Wash with soap and water. Get medical attention.

Eye: Flush with plenty water for at least 15 minutes. Hold eyelids open while flushing eyes. Get medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Give oxygen. Get medical attention.

REACTIVITY DATA

Stability: Stable.

Incompatibility: Strong acids, strong oxidizers, copper, copper alloys, zinc, galvanized iron.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Conditions to Avoid: Open flames, sparks, ignition sources.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Extinguish all ignition sources. Ventilate area. Prevent spread of spill. Absorb with sand or inert material. Place in metal container and seal.

Disposal: Incinerate absorbed and bulk material in a hazardous waste facility. Consult federal, state or local authorities for proper disposal procedures.

Storage: Store in tightly closed containers away from sources of ignition.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation: Mechanical ventilation suggested.

Eye: Face shield and chemical splash goggles recommended.

Gloves: Synthetic rubber. Any non-permeable glove.

Respirator: Organic vapor cartridge.

SECTION 313 SUPPLIER NOTIFICATION

Not applicable.

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