

## Dimethyl Amino Ethanol (DMAE)

### Specifications

#### CAS NO.

CAS NO.	108-01-0
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#### NATURE

NATURE	It is a Clear, Colorless to light pale yellow liquid
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#### PHYSICAL PROPERTIES

Structural formula	$(\text{CH}_3)_2 \text{N-CH}_2\text{-CH}_2\text{-OH}$
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Molecular Wt.	89.14
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Specific Gravity at 20/20 °C	0.8883
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Refractive Index	1.4294
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Boiling Point	134.6 °C
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Freezing Point	-58.6 °C
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Solubility in Water	Soluble
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Flash Point	39.4 °C
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Vapor Pressure(mm hg)	4.4 @ 20 °C
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Vapor Density	3.1
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Odor	Ammoniacal Odor
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#### SPECIFICATIONS

Purity	99.0 % MIN
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Water	00.2 % MAX
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Other Impurities	30 MAX
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Colour(APHA)	00.3 % MAX
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## **MSDS**

### **EFFECTS**

1. INHALATION
  - Remove to fresh air.If not breathing is difficult, give oxygen. Call a physician immediately
2. INGESTION
  - DO NOT INDUCE VOMITING . Give large quantities of water . Never give anything by mouth to an unconscious person. Call a Physician Immediately
3. SKIN CONTACT
  - Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse
4. EYECONTACT
  - Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately reuse

### **FIRE FIGHTING MEASURES**

- In the event of a fire , wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode

### **Applications**

Use in the preparation of water - reducible coating formulations.

Can be used to control corrosion in Boiler water condensate return lines.

Use in preparation of Textile Assistants.

Use in preparation of Catalysts for polymerizing olefin oxides and sulfides.

Use in preparation of an antistatic agent for polystyrene.

Use in preparation of Ion-Exchange resins.

Use. in intermediate for the manufacture of antihistamines and local anesthetics in pharma.

**STORAGE & HANDLING:** Protect against physical damage. Store in a cool, dry well ventilated location. Clean carbon steel is satisfactory as a material of construction for storage tanks and transfer systems, provided adequate precautions are observed to guard against rust contamination. Eliminate all sources of ignition in case of spills and leaks.

**PACKING:** 190 Kgs. Net. Wt. in HM HOPE Drums

**IMDG CLASS:** N.A.

**PACKING GROUP:** N.A.

**UN No. :** N.A.