



# Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

## MATERIAL SAFETY DATA SHEET

### MSDS

Savgan Heights ; 102 ,B Wing ; R.T.D. Lane ,Andheri (West) Mumbai - 400053 , INDIA

## Section 1 - Chemical Product and Company Identification

**Product Name : 2-(METHYLAMINO) ETHANOL**

**Synonyms:** n-methylethanolamine

**CAS No.:** 109-83-1

**Molecular Weight:** 75.11

**Chemical Formula:** C<sub>3</sub>H<sub>9</sub>

## Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
2-(Methylamino) Ethanol	109-83-1	99%	Yes

## Section 3 - Hazardous Identification

### Risk advice to man and the environment

Harmful in contact with skin and if swallowed. Causes burns.

## Section 4 - First Aid Measures

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

### In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## Section 5 - Fire Fighting Measures

### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures

### **Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

### **Environmental precautions**

Do not let product enter drains.

### **Methods for cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

### **Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### **Storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

## Section 8 - Exposure Controls, Personal Protection

### **Personal protective equipment**

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose

combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

#### **Eye protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum).

#### **Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 - Physical and Chemical Properties

### Appearance

Form clear, liquid

Colour colourless

### Safety data

pH 13,6 at 100 g/l at 20 °C

Melting point no data available

Boiling point 159 °C - lit.

Flash point 76 °C - closed cup

Ignition temperature 350 °C

Lower explosion limit 1,6 %(V)

Upper explosion limit 19,8 %(V)

Vapour pressure 0,7 hPa at 20 °C

Density 0,935 g/mL at 25 °C

Water solubility no data available

Partition coefficient:

n-octanol/water

log Pow: -0,91

Relative vapour

density

2,59

- (Air = 1.0)

## Section 10 - Stability and Reactivity

### Storage stability

Stable under recommended storage conditions.

### Materials to avoid

Oxidizing agents, Copper, Zinc, Iron, Do not store near acids.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

## Section 11 - Toxicological Information

### Acute toxicity

LD50 Oral - rat - 1.391 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Chromodacryorrhea.

Behavioral:Ataxia. Diarrhoea

LD50 Dermal - rabbit - 1.005 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Other changes.

Prolonged skin contact may cause skin irritation and/or dermatitis.

### Irritation and corrosion

Skin - rabbit - Corrosive

### Sensitisation

no data available

### Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

### Potential Health Effects

**Inhalation** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin** Harmful if absorbed through skin. Causes skin burns.

**Eyes** Causes eye burns.

**Ingestion** Harmful if swallowed. Causes burns.

**Additional Information**

RTECS: KL6650000

## Section 12 - Ecological Information

**Elimination information (persistence and degradability)**

Biodegradability

**Ecotoxicity effects**

Toxicity to fish LC50 - Brachydanio rerio (zebra fish) - > 100 mg/l - 96 h

Toxicity to daphnia  
and other aquatic  
invertebrates.

EC50 - Daphnia magna (Water flea) - 33 mg/l - 48 h

Toxicity to algae EC50 - Scenedesmus subspicatus - 18,4 mg/l - 72 h

**Further information on ecology**

no data available

## Section 13 - Disposal Considerations

**Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

**ADR/RID**

UN-Number: 2735 Class: 8 Packing group: III

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (N-Methylethanolamine)

**IMDG**

UN-Number: 2735 Class: 8 Packing group: III EMS-No: F-A, S-B

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (N-Methylethanolamine)

Marine pollutant: No

**IATA**

UN-Number: 2735 Class: 8 Packing group: III

Proper shipping name: Amines, liquid, corrosive n.o.s. (N-Methylethanolamine)

## **Section 15 - Regulatory Information**

### **Labelling according to EC Directives**

EC Label

Hazard symbols

C Corrosive

R-phrase(s)

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## **Section 16 - Additional Information**

**Not Availbale**