

## 1M Ethanolamine Safety Data Sheet

## **SECTION 1: IDENTIFICATION**

**Product Identifier** Product Form: Liquid

Product Name: 1 M Ethanolamine

Synonyms: 1 M Ethanolamine hydrochloride, 1M 2- Hydroxyethaylammonium Chloride

Company Carterra Inc. 825 N 300 W Suite C309

Salt Lake City, UT 84103 844.642.7635 x736

Emergency Number: 1-800-535-5053 for domestic USA, 1-352-323-3500 for International.

Account Number: 114962

## SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

This Substance is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### Mixture

Name	CAS No.	%	Classification
Ethanolamine Hydrochloride	2002-24-6	8-10%	None Specified
Water	7732-18-5	87-92%	None Specified
pH Adjusters	N/A	0-3%	None Specified

## **SECTION 4: FIRST AID MEASURES**

**Description of First-aid Measures** 

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice First-aid Measures After Inhalation: Move to fresh air. If not breathing, give artificial respiration.

First-aid Measures After Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes

First-aid Measures After Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician

First-aid Measures After Ingestion: Rinse mouth

Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: No information available

Symptoms/Injuries After Inhalation: No information available Symptoms/Injuries After Skin Contact: No information available Symptoms/Injuries After Eye Contact: No information available Symptoms/Injuries After Ingestion: No information available

Chronic Symptoms: No information available

## SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available Special Hazards Arising from the Substance or Mixture: None

**Advice for Firefighters** 

Precautionary Measures: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Firefighting Instructions: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

Protection During Firefighting: No information available

Hazardous Combustion Products: Carbon oxides, Ammonia, Nitrogen oxides

Other Information: No information available

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment, and Emergency Procedures General Measures: Ensure adequate ventilation, especially in confined areas For Non-Emergency Personnel Protective Equipment: Safety Glasses. Gloves.

Emergency Procedures: No information available

For Emergency Personnel Protective Equipment: No information available

**Emergency Procedures:** No information available **Methods and Materials for Containment and Cleanup** 

**For Containment:** Prevent further leakage or spillage if safe to do so **Methods for Cleanup:** Pick up and transfer to properly labeled containers

## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling** 

Handle in accordance with good industrial hygiene and safety practice. Hygroscopic

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Hygroscopic. Keep container tightly closed in a dry and well-ventilated place

**Incompatible Products:** Strong oxidizing agents

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control Parameters**

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Component	CAS-No.	Value	Control Parameters
Ethanolamine	2002-24-6	No information available	No information available
Water	7732-18-5	Not Established	Not Established

## **Exposure Controls and Risk Management Measures**

Appropriate Engineering Controls : Showers

Eyewash stations Ventilation systems No information available

Materials for Protective Clothing: No information availableHand Protection: Wear protective gloves

**Eye Protection** : Avoid contact with eyes. Safety glasses with side-shields

**Skin and Body Protection** : Wear protective clothing

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA

approved respiratory protection should be worn. Positive pressure supplied

air respirators may be required for high airborne contaminant

concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Environmental Exposure Controls : No information available
Other Information : No information available

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### Information on Basic Physical and Chemical Properties

Physical State: SolidAppearance: White

Odor: No information availableOdor Threshold: No information available

**pH** : 8.45-8.55

Evaporation Rate : No information available
Melting Point : 82 - 84 °C (180 - 183 °F)
Freezing Point : No information available
Boiling Point : No information available
Flash Point : No information available
Auto Ignition Temperature : No information available

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No information available **Decomposition Temperature** Flammability (solid, gas) No information available Vapor Pressure No information available Relative Vapor Density at 20° C No information available **Relative Density** No information available **Specific Gravity** No information available Solubility Miscible with water Partition Coefficient: N-Octanol/Water No information available Viscosity No information available

## **SECTION 10: STABILITY AND REACTIVITY**

Reactivity: No information available

Chemical Stability: Stable under recommended storage conditions. Possibility of Hazardous Reactions: None under normal processing Conditions to Avoid: Extremes of temperature and direct sunlight

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides, Ammonia, Nitrogen oxides

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects** 

**Acute Toxicity:** 

<b>Chemical Name</b>	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycine	= 7930 mg/kg (rat)	None specified	None Specified

Skin Corrosion/Irritation: No information available

pH: No information available

Serious Eye Damage/Irritation: No information available

pH: No information available

Respiratory or Skin Sensitization: No information available

Germ Cell Mutagenicity: No information available

Carcinogenicity: No information available
IARC: No information available
NTP: No information available
OSHA: No information available

Reproductive Toxicity: No information available

**Specific Target Organ Toxicity (Single Exposure):** No information available **Specific Target Organ Toxicity (Repeated Exposure):** No information available

Aspiration Hazard: No information available

Symptoms/Injuries After Inhalation: No information available Symptoms/Injuries After Skin Contact: No information available Symptoms/Injuries After Eye Contact: No information available Symptoms/Injuries After Ingestion: No information available

Chronic Symptoms: No information available

## **SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity** 

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

 $\textbf{Mobility in soil:} \ \ \text{No further relevant information available.} \cdot \\$ 

Additional ecological information: ·

General notes: N/A

Results of PBT and vPvB assessment • PBT: Not applicable. • vPvB: Not applicable.

Other adverse effects: No further relevant information available

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods:

**Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach water system. Offer surplus and non-recyclable solutions to a licensed disposal company. Disposal must be made according to official regulations.

## **SECTION 14: TRANSPORT INFORMATION**

**DOT:** Not regulated **IMDG/IMO:** Not regulated **IATA:** Not regulated

## SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 · Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories ·

EPA (Environmental Protection Agency) None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.

**GHS** label elements

Chemical safety assessment: A Chemical Safety Assessment has not been carried out

## SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Quality Assurance.

Contact: Date of preparation / last revision

Creation date for SDS 09/18/2019.

review SDS for accuracy. 11/07/2022·

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