Safety Data Sheet

Triethanolamine, 99%

SECTION I - IDENTIFICATION

The Chemical Supply
9595 Six Pines Dr., Ste 8210
The Woodlands, TX 77380
info@thechemicalsupply.com

Chemtrec :..... (800) 424-9300

Product Number	00086
Product Name	Triethanolamine, 99%
Synonyms	Solvent
CAS Number	102-71-6
Date Prepared	7/30/1997
Revision Number	5/20/2019
Recommended Use	Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Not a Hazardous Substance or Mixture — No Hazards

GHS LABEL:

Hazard Statements

NC — Not a Hazardous Substance or Mixture

Precautionary Statements

NC	Not a Hazardous Substance or Mixture
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P243	Take precautionary measures to prevent static discharge.
P270	Do not eat, drink or smoke when using this product.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Triethanolamine	102-71-6	> 99%	Not Established	5 mg/m3

SECTION IV - FIRST AID MEASURES

Contact with eyes: Wash immediately and continuously with flowing water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Wash out mouth thoroughly with water and give plenty of water to drink.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbon Dioxide, dry-chemical or universal type spray foam.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards:

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

SECTION VII - HANDLING AND STORAGE

Handling and Storage:

- "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
- Keep containers tightly closed in a dry and well-ventilated place.
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
- NFPA Class III B storage.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Triethanolamine	102-71-6	Not Established	5 mg/m3

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a flammable material.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistent gloves. Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colorless to Light Yellow Liquid
Odor	Amine Odor
pH@25°C	10.3 (Neat)
Melting/Freezing Point	23F
Flashpoint	None to Boiling, Flash Point of Pure TEA is 200°C (393°F)
Specific Gravity	1.12
Soluability	Complete
Auto-Ignition Temperature	-
Decomposition Temperature	-
VOC Content	85% (7.93#/gal)
Odor Threshold	-
Boiling Range	212F
Evaporation Point	N/D
Flammable Limits - Upper	Not Determined
Flammable Limits - Lower	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air=1)	Not Determined
Viscosity	-

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None

Hazardous Decomposition/Byproducts: Toxic gases when reacted with sulfides andd sulfites; strong bases and oxidizers

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None known.

Incompatibilities: Strong acids and oxidizers
Nitries and Nitrates containing compunds.

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Routes of entry: inhalation, skin & eyes, ingestion, skin absorbtion

Inhalation: May be irritating to mucous membranes and respiratory tract
Low to moderate degree of toxicity by inhalation.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin. No harmful effects from skin adsorption are expected.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Acute Toxicity Value: See Health Hazards below.

Chronic (Long Term) Effects: See Health Hazards above.

Toxicity:

Component Name	LD50	LC50
Triethanolamine	Oral - Mouse - 5,846 mg/kg; Oral - Rat - 5,530 mg/kg; Oral -	Not Established

Reproductive Effects Not Applicable

Teratogenicity Not Applicable

Mutagenicity Not Applicable

Embryotoxicity Not Applicable

Sensitization to Product Not Applicable

Synergistic Products Not Applicable

Carcinogenicity Not Listed as a Carcinogen by OSHA or ACGIH

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: No data available.

BioAccumulation: No data available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Not Regulated
Contains:
Hazard Class and Label:
Identification Number:
Packaging Group:
Other Shipping Info:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X			

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 2
HMIS Flammability: 1
HMIS Reactivity: 0

Additional:

Specification Information

Department issuing data sheet:	Compliance Department
Email address:	info@thechemicalsupply.com
Training necessary:	Training is required per the Occupational Safety and Health Administration (OSHA) Hazard Communication 29 CFR 1910.1200.

Disclaimer:

**HMIS rating involve data and interpretations that vary from company to company. They are intended only for rapid identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this SD must be considered.

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