

**Safety Data Sheet**  
Triethanolamine, 99%

**SECTION I - IDENTIFICATION**

|  |  |
|--|--|
|  | The Chemical Supply<br>9595 Six Pines Dr., Ste 8210<br>The Woodlands, TX 77380<br>info@thechemicalsupply.com<br><br>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

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**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:**

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**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 resistant 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.

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**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

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

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** None

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

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None known.

**Incompatibilities:** Strong acids and oxidizers  
Nitrites and Nitrates containing compounds.

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**SECTION XI - TOXICOLOGICAL INFORMATION**

- Likely Route of Exposure:** Routes of entry: inhalation, skin & eyes, ingestion, skin absorption
- 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;<br>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.

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**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:**

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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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