

CITY of EVERETT  
SAFETY DIVISION  
MATERIAL SAFETY DATA SHEET



SECTION 1. PRODUCT NAME AND IDENTIFICATION

Chemical Manufacturer's Name Fisher Scientific Chemical Division  
Address 1 Reagent Lane Emergency Phone (201)796-7100  
Fair Lawn, NJ 07410  
Name of Product Triethanolamine Date Prepared 2-19-87  
Chemical Name Amine, aliphatic (Chem. family) C.A.S.# Unknown E.P.A. # Unknown  
Generic Name, Trade Name, or Synonyms Sterolamide, Sting-kill  
Other Identifying Information Cat.#--T3501

Hazard Severity Slight fire and explosion hazard:

SECTION 2. HAZARDOUS INGREDIENTS OF MIXTURES

Material Triethanolamine Percentage of Mixture >98  
Nature of Hazard and Toxicity Data Can be a harsh irritant. Also a corrosive.

SECTION 3. PHYSICAL DATA

Boiling Point( F ) 650° Vapor Pressure (mm Hg) 10 @ 205° Vapor Density 5.2  
Water Solubility Soluble Melting Point( F ) 70° Specific Gravity 1.1  
Percent Volatile by Volume Unknown Evaporation Rate(nBuAc=1) Unknown  
Appearance and Odor Threshold Colorless to pale yellow hygroscopic liquid with ammonia-like odor.

SECTION 4. FIRE AND EXPLOSION HAZARDS

Flashpoint( F ) 355° L.E.L. 1.3% U.E.L.   
Method Used. Unknown  
Extinguishing Agents Water spray, fog or alcohol foam.  
Usual Fire or Explosive Hazards Auto-ignition temperature--600°F.  
Do not expose to heat or flame.  
Special Firefighting Equipment None

Special Firefighting Procedures No acute hazard. Move container away from fire area.

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## SECTION 5 HEALTH HAZARDS

<p>MAY BE HARMFUL</p> <p>IF INHALED</p>	<p>MAY CAUSE</p> <p>SKIN REACTION</p>	<p>MAY CAUSE</p> <p>EYE INJURY</p>	<p>MAY BE HARMFUL</p> <p>IF SWALLOWED</p>
	<p>MAY CAUSE</p> <p>BURNS</p>		

TLV Unknown PEL Unknown

Routes of Exposure Inhalation, skin contact, eye contact, ingestion.

Acute Symptoms of Overexposure Nausea, vomiting, unconsciousness, convulsions, chemical burns, blurred vision, and disorientation.

First Aid Inhalation--Remove from exposure area to fresh air. Skin contact--Wash affected area with soap and water for 15-20 minutes. Eye contact--Wash eyes with large amounts of water for 15-20 minutes. Ingestion--If victim is conscious, give large amounts of water and induce vomiting.

SECTION 6 REACTIVITY Normally stable, but may become unstable at high temperatures or pressures.

Conditions to Avoid May burn, but does not ignite readily. Flammable, poisonous gases may accumulate. May ignite combustibles (wood, paper, oil, etc.

Materials to Avoid Monoethanolamine, oxidizers, strong acids, cellulose nitrates, aluminum, zinc, copper/copper compounds, and rubber.

Hazardous Decomposition Products None

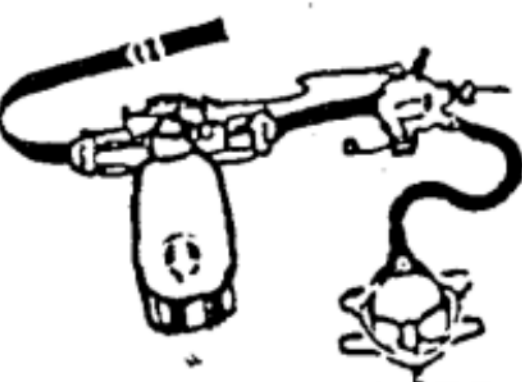
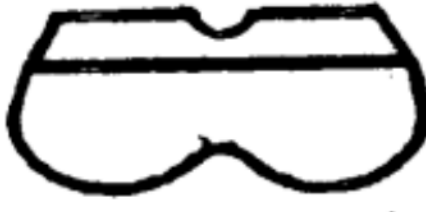


Hazardous Polymerization Not known to occur.

Conditions to Avoid N/A

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SECTION 7 PERSONAL PROTECTIVE EQUIPMENT

 SELF-CONTAINED BREATHING APPA- RATUS	 CHEMICAL SPLASH  GOGGLES	 GLOVES	 APRON

Ventilation Provide general dilution ventilation system.

SECTION 8. SPILL OR LEAK PROCEDURES

Specific Steps to be Taken in Case Material is Released or Spilled

Do not touch spilled material! Take up spills with sand or other absorbant material.

Place into containers for later disposal, and move containers from spill area. For  
larger spills, dike far ahead of spill for later disposal.

Disposal Methods Follow local, state, and federal regulations.

Other Precautions None

SECTION 9 HANDLING & STORAGE

Where Stored Away from heat and flame. Where Used

Storage/Handling Precautions

Other Precautions None

SECTION 10. SPECIAL INFORMATION FOR WORKING WITH SUBSTANCE

None

