**PRODUCT NUMBER:** T1502  
**PRODUCT NAME:** Triethanolamine hydrochloride  

**Valid 05/2003 - 07/2003**

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**SECTION 1. - - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - -**  
**CATALOG #:** T1502  
**NAME:** TRIETHANOLAMINE HCL

**SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -**  
**CAS #:** 637-39-8  
**MF:** C6H15NO3  
**EC NO:** 211-284-2  
**SYNONYMS**  
ETHANOL, 2',2',2''-NITRILOTRI-, HYDROCHLORIDE * 2,2',2''-NITRILOTRIETHANOL HYDROCHLORIDE * TRIETHANOLAMINE HYDROCHLORIDE * TRIETHANOLAMMONIUM CHLORIDE *

**SECTION 3. - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - - -**  
**LABEL PRECAUTIONARY STATEMENTS**  
CAUTION: AVOID CONTACT AND INHALATION.

**SECTION 4. - - - - - - - - - FIRST-AID MEASURES- - - - - - - - - -**  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.  
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

**SECTION 5. - - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - - - -**  
**EXTINGUISHING MEDIA**  
WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.  
SPECIAL FIREFIGHTING PROCEDURES  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.  
UNUSUAL FIRE AND EXPLOSIONS HAZARDS  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

**SECTION 6. - - - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - - - - -**  
**WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.**  
**Sweep up, place in a bag and hold for waste disposal.**  
**VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.**

**SECTION 7. - - - - - - - - - HANDLING AND STORAGE- - - - - - - - - -**  
**REFER TO SECTION 8.**

**SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - -**  
**WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.**  
**SAFETY SHOWER AND EYE BATH.**  
**MECHANICAL EXHAUST REQUIRED.**  
**DO NOT BREATHE DUST.**  
**AVOID CONTACT WITH EYES, SKIN AND CLOTHING.**  
**AVOID PROLONGED OR REPEATED EXPOSURE.**  
**WASH THOROUGHLY AFTER HANDLING.**  
**KEEP CONTAINER CLOSED.**  
**HYGROSCOPIC**  
**STORE IN A COOL DRY PLACE.**

**SECTION 9. - - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - - - - -**  
**APPEARANCE AND ODOR**  
WHITE POWDER

**PHYSICAL PROPERTIES**  
**MELTING POINT:** 177 C TO 179 C

**SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY - - - - - - - - - -**  
**INCOMPATIBILITIES**
ACIDS
ACID CHLORIDES
ACID ANHYDRIDES
OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES.

HYDROGEN CHLORIDE GAS

SECTION 11. TOXICOLOGICAL INFORMATION
ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: KL9346500
ETHANOL, 2,2',2''-NITRILOTRIS-, HYDROCHLORIDE
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION
DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. REGULATORY INFORMATION
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. OTHER INFORMATION
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