ATTN: SAFETY DIRECTOR  
UNIVERSITY OF WISCONSIN WHITewater  
P O BOX 296  
WHITewater WI 53190-0296  

DATE: 02/08/95  
CUST#: 532316  
PO#: Q61058  

MATERIAL SAFETY DATA SHEET  

SECTION 1.  CHEMICAL IDENTIFICATION  

PRODUCT #: N840-7  
NAME: NITRILOTRIACETIC ACID, 99%  

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS  

CAS #: 113-9-9  
MF: C6H9NO6  
SYNONYMS  
AMINOTRIACETIC ACID * N,N-DIS(CARBOXYMETHYL)GLYCINE * CHEL 300 *  
COMPLEXON I * GLYCINE, N,N-BIS(CARBOXYMETHYL) - (9CI) * HAMPSHIRE NTA  
ACID * COMPLEXON I * KYSELINA NITRILOTRIACETIC (CZECH) * NCI-C02786 *  
NITRILOTRIACETIC ACID * NTA * TRIPLEX I * TRIGLYCINE *  
TRIGLYCEROLIC ACID * TRILON A * ALPHA,ALPHA',ALPHA**-  
TRIMETHYLAMINOTRICALXYLIC ACID * VERSENE NTA ACID  

SECTION 3. HAZARDS IDENTIFICATION  

LABEL PRECAUTIONARY STATEMENTS  
TOXIC  
MAY CAUSE CANCER.  
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.  
TARGET ORGAN(S):  
KIDNEYS  
BLADDER  
DO NOT BREATHE DUST.  
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE  
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).  
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYES/FACE  
PROTECTION.  
KEEP CONTAINER TIGHTLY CLOSED IN A COOL, WELL VENTILATED PLACE.  

SECTION 4. FIRST-AID MEASURES  

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH ABUNDANT  
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED  
CLOTHING AND SHOES.  
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.  
DISCARD CONTAMINATED CLOTHING AND SHOES.  

CONTINUED ON NEXT PAGE
SECTION 5. ---------------------------------------- FIRE FIGHTING MEASURES ----------------------------------------

EXTINGUISHING MEDIA
WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIRE-FIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSION HAZARDS
EMITS TOXIC FUNES UNDER FIRE CONDITIONS.

SECTION 6. ---------------------------------------- ACCIDENTAL RELEASE MEASURES ----------------------------------------

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.

SHEEP 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 9.

SECTION 8. ---------------------------------------- EXPOSURE CONTROLS/PERSONAL PROTECTION ----------------------------------------

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

SAFE VENTILATION AND EYE BATH. USE ONLY IN A CHEMICAL HALE HOOD.

DO NOT BREATHE DUST.

AVOID ALL CONTACT.

WASH THOROUGHLY AFTER HANDLING.

CARCINOGEN.

HARMFUL SOLID.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

CONTINUED ON NEXT PAGE
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR
WHITE TO OFF-WHITE POWDER
MELTING POINT: 246 C (DEC)

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG BASES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MAY CAUSE IRRITATION.

CHRONIC EFFECTS
CARCINOGEN.
TARGET ORGAN(S):
BLADDER, KIDNEYS

RTECS NO: AJ1076000
ACETIC ACID, NITRILOTRI-
TOXICITY DATA
QL = RAT LD50: 1100 MG/KG
ORL = MUS LD50: 3100 MG/KG
NO = C-72-3252, 73
IPR = MUS LD50: 3252 MG/KG
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
CONTINUED ON NEXT PAGE
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 Aldrich Chemical Company for Transportation Information.

SECTION 15. REGULATORY INFORMATION

Reviews, Standards, and Regulations

IARC Cancer Review: Animal sufficient evidence IMEMDT 48,181,90
IARC Cancer Review: Human NO adequate data EMDT 48,181,90
IARC Cancer Review: Group 2B EMDT 48,181,90
NOS 1983: HZD 00058; NIS 31; TNE 1115; NOS 32; TNE 13454
NOS 1983: HZD 00058; NIS 12; TNE 447; NOS 12; TNE 11671; TFE 5982
EPA Genetox Program 1988, Positive: Carcinogenicity-Mouse/Rat
EPA Genetox Program 1993, Negative: D Melangaster Sex-Linked Lethal
EPA TSCA Chemical Inventory, June 1993
EPA TSCA Test Submission (TSCATS) Data Base, July 1994
NCI Carcinogenesis Biodassay (Feed) CLEAR Evidence: Mouse, Rat
NCIF* NCI-TR-4, 77
NTP 7th Annual Report on Carcinogens, 1992: Anticipated to be Carcinogen
This product is subject to SARA section 313 reporting requirements.

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Aldrich shall not be held liable for any damage resulting from handling or from contact with continued on next page
PRODUCT #: N098407
NAME: NITRILOTRIACETIC ACID, 99%
MF: C6H7NO6

THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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