



chemists helping chemists in research & industry

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FEB 14 1995

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P O BOX 296
WHITEWATER WI 53190-0296

DATE: 02/08/95
CUST#: 523216
PO#: QG1058

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

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

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 139-13-9
MF: C6H9NO6

SYNONYMS

AMINOTRIACETIC ACID * N,N-BIS(CARBOXYMETHYL)GLYCINE * CHEL 300 *
COMPLEXON I * GLYCINE, N,N-BIS(CARBOXYMETHYL)- (9CI) * HAMPSHIRE NTA
ACID * KOMPLEXON I * KYSELINA NITRILOTRIDCTOVA (CZECH) * NCI-C02766 *
NITRILOTRIACETIC ACID * NTA * TITRIplex I * TRIGLYCINE *
TRIGLYCOLLAMIC ACID * TRILON A * ALPHA, ALPHA', ALPHA''-
TRIMETHYLAMINETRICARBOXYLIC 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 EYE/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 COPIOUS
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

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CUST#: 523216
PO#: QG1058

PRODUCT #: H008407
MF: C6H9NO6

NAME: NITRILOTRIACETIC ACID, 99%

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 - - - - -

EVACUATE AREA.

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

WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.

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.

USE ONLY IN A CHEMICAL FUME HOOD.

DO NOT BREATHE DUST.

AVOID ALL CONTACT.

WASH THOROUGHLY AFTER HANDLING.

CARCINOGEN.

HARMFUL SOLID.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

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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: AJ0175000
ACETIC ACID, NITRILOTRI-

TOXICITY DATA
ORL-RAT LD50: 1100 MG/KG
ORL-MUS LD50: 3160 MG/KG
NCI-E-C-72-3252,73
IPR-MUS LD50: 325 MG/KG

ACIEAY 14,94,75
NCILB*

CRTXB2 20,83,89

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 - - - - -

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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 IMEMDT 48,181,90
IARC CANCER REVIEW: GROUP 2B IMEMDT 48,181,90
NOHS 1974: HZD 80058; NIS 31; TNF 1115; NOS 32; TNE 13454
NOES 1983: HZD 80058; NIS 12; TNF 447; NOS 12; TNE 11671; TFE 5982
EPA GENETOX PROGRAM 1988, POSITIVE: CARCINOGENICITY-MOUSE/RAT
EPA GENETOX PROGRAM 1983, NEGATIVE: D MELANOGASTER SEX-LINKED LETHAL
EPA TSCA CHEMICAL INVENTORY, JUNE 1993
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JULY 1994
NCI CARCINOGENESIS BIOASSAY (FEED); CLEAR EVIDENCE: MOUSE, RAT
NCITR* NCI-TR-6, 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

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