

FISHER SCIENTIFIC -- ETHYLENEDIAMINETETRAACETIC ACID -- 6810-00-926-4771

=====
Product Identification
=====

Product ID:ETHYLENEDIAMINETETRAACETIC ACID

MSDS Date:06/30/1994

FSC:6810

NIIN:00-926-4771

MSDS Number: CFMRH

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:800-424-93

00 (CHEMTREC)

CAGE:IB464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Phone:201-796-7100

CAGE:IB464

=====
Composition/Information on Ingredients
=====

Ingred Name:ACETIC ACID, (ETHYLENEDINITRILO) TRETRA-; (ETHYLENEDIAMINE
TETRAACETIC ACID) (CERCLA)

CAS:60-00-4

RTECS #:AH4025000

Fraction by Wt: 100%

OSHA PEL:N/K

ACGIH TLV:N/K

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Nam

e:SUPDAT:STUDIES. PARENTERAL ADMIN OF EDTA/ITS SALTS IN HIGH
DOSES MAY CAUSE SEVERE RENAL LESIONS & TUBULAR (ING 3)
RTECS #:9999999ZZ

Ingred Name:ING 2:NECROSIS, INTERNAL HEMORRHAGE, LIFE-THREATENING
HYPOCALCEMIA, & DEATH. PROLONGED PARENTERAL ADMINISTRATION (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:MAY LEAD TO ELECTROLYTE IMBALANCE AND CARDIAC
ARRHYTHMIAS.
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:UPPER & LOWER LIDS, UNTIL NO EVID OF CHEM
REMAINS (AT LEAST 15-20 MIN). GE
T MED ATTN IMMED. (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 4:INGEST:IF VOMIT OCCURS, KEEP HEAD LOWER THAN HIPS TO
HELP PVNT RESP. TREAT SYMPTOMATICALLY & SUPPORTIVELY. (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:GET MEDICAL ATTENTION IF NEEDED. ANTIDOTE: NO
SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.
RTECS #:9999999ZZ

Ingred Name:RESP PROT:ON SPECIFIC OPERATION, MUST NOT EXCEED WORKING
LIM OF RESP & MUST BE APPRVD BY NIOSH. (ING 9)
RTECS #:9999999ZZ

Ingred Name:IN
G 8:ANY DUST & MIST RESP. ANY AIR-PURIFYING RESP
W/HIGH-EFFICIENCY PARTICULATE FILTER. ANY POWERED AIR- (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:PURIFYING RESP W/DUST & MIST FILTER. ANY POWERED
AIR-PURIFYING RESP W/HIGH-EFFICIENCY PARTICULATE FILTER. (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:ANY TYPE 'C' SUPPLIED-AIR RESP OPERATED IN
PRESSURE-DEMAND/OTHER POSITIVE PRESS/CONTINUOUS-FLOW MODE. ANY
SCBA.
RTECS #:9999999ZZ

===== Hazards Identification ===

=====

LD50 LC50 Mixture:LD50 (ORAL, RAT): 2000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHAL:MAY CAUSE MUC MEMB IRRIT W/SORE THROAT & COUGHING. SKIN:CNTCT MAY CAUSE IRRIT W/REDNESS & PAIN. EYE:CNTCT MAY CAUSE IRRIT W/REDNESS & PAIN. MAY CAUSE SOME TRANSIENT CORNEAL INJURY/BURNS. INGEST:ALTHOUGH POORLY ABSORBED FROM GITRACT, IF SUFFICIENT AMOUNTS ARE I

NGESTED SYSTEMIC TOX MAY

(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:RSLT. MAY CHELATE LEAD, MAGNESIUM, ZINC/TRACE METALS IF THEY ARE PRESENT IN INTESTINE, POSSIBLY CAUSING THEIR INCREASED ABSORPTION & THEREBY INCREASING TOTAL BODY STORES OF THESE METALS. CHRO NIC: SKIN:RPTD/PRLNG CNTCT W/MOIST SKINMAY CAUSE MOD IRRIT & POSSILBLY A MILD BURN. EYE:RPTD/PRLNG CNTCT (SUPDAT)

Medical Cond Aggravated by Exposure:PERSONS WITH RENAL OR HEART

DISEASE; A HISTORY OF SEIZURES OR INTRACRANIAL LESIONS; POTASSIUM DEFICIENCY; OR INSULIN-DEPENDENT DIABETES.

===== First Aid Measures =====

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. PERFORM ARTF RESP IF NEC. KEEP PERS WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED ATTN IMMED. SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH W/SOAP/MILD DETERGENT & LRG AMTS OF H*2O UNTIL NO EVID OF CHEM RE

MAINS (AT LEAST 15-20 MIN). GET MED ATTN IMMED. EYE:WASH

EYES IMMED W/LRG AMTS OF H*2O/NORMAL SALINE, OCCAS LIFTING (ING 5)

===== Fire Fighting Measures =====

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP . MOVE CNTNRS FROM FIRE AREA IF YOU CAN DO IT W/OUT RISK. DO NOT SCATTER SPILL MATL W

/HIGH-PRESSURE H*2O (SUPDAT)

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. DUST-AIR MIXTURES MAY IGNITE OR EXPLODE.

===== Accidental Release Measures =====

Spill Release Procedures:OCCUPATIONAL SPILL: SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES. STORE IN A TIGHTLY CLOSED CONTAINER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOLLOWING RESP ARE REC BASED ON INFO FOUND IN PHYSICAL DATA, TOX & HLTH EFTS SECTIONS. THEY ARE RANKED IN ORDER FROM MIN TO MAX RESP PROT. SPECIFIC RESP SELECTED MUST BE BASED ON

CONTAM LEVELS FOUND I N WORK PLACE, MUST BE BASED (ING 8)

Ventilation:PROVIDE LOCAL EXHAUST VENT. VENT EQUIP SHOULD BE EXPLOSION-PROOF IF EXPLOSIVE CONC OF DUST, VAPOR OR FUME ARE PRESENT.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MP:473F,245C (DECOM

P). FIRE FIGHT PROC:STREAMS. DIKE FIRE-CONTROL H*2O

FOR LATER DISPL. USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE.

AVOID BRTHG CORR DUSTS/VAPS, KEEP UPWIND. CNDTNS (STAB):PVNT D

ISPERSION OF DUST IN AIR. EFTS OF OVEREXP:W/IRRITANTS MAY CAUSE

CONJ. INGEST:REPRO EFTS HAVE BEEN RPT IN ANIMAL (ING 2)

===== Physical/Chemical Properties =====

HCC:T6

Melt/Freeze Pt:M.P/F.P Text:SUPDAT

Spec Gravity:0.86 @ 20C

Solubility in Water:0.05% @ 25C

Appearance an

d Odor:ODORLESS, COLORLESS OR WHITE CRYSTALLINE SOLID.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALUMINUM, COPPER AND ALLOYS, NICKEL, STRONG OXIDIZERS.

Stability Condition to Avoid:MAY BURN BUT DOES NOT IGNITE READILY.

AVOID CONTACT W/STONG OXIDIZERS, EXCESSIVE HEAT, SPARKS, OR OPEN FLAME. (SUPDAT)

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON AND NITROGEN.

===

===== Disposal Considerations =====

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. REPEATABLE QUANTITY (RQ): 500 POUNDS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.