

FISHER SCIENTIFIC, CHEMICAL DIV. -- EDTA, DISODIUM SALT -- 6810-00-926-4771

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Product Identification
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Product ID:EDTA, DISODIUM SALT

MSDS Date:05/31/1990

FSC:6810

NIIN:00-926-4771

MSDS Number: BJFQD

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100

Emergency Phone Nu

m:201-796-7100

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT

CAS:139-33-3

RTECS #:AH4375000

Fraction by Wt: 100%

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Hazards Identification
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LD50 LC50 Mixture:LD50:(ORAL

) 2000MG/KG(RAT)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:INHAL: NO SPECIFIC DATA AVAIL.INHAL OF DUSTS OR MISTS OF EDTA SALTS MAY CAUSE MUC MEMB IRRIT W/SORE THROAT&COUGHING.SKIN: ACUTE:NO SPEC DATA AVAIL. EDTA SALTS MAY CAUSE IRRIT W/REDNESS&PAIN. RPTD OR P RLNGD CONT W/EDTA SALTS MAY CAUSE MOD IRRIT & POSS MILD BURN.EYE:CONT W/EDTA SALTS MAY CAUSE IRRIT W/REDNESS&PAIN.

Explan

ation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HEALTH HAZARDS (CONT) SOLN OF EDTA SALTS ARE EXTREMELY IRRIT TO GI SYSTEM. IF ENOUGH MATL SWALLOWED MAY RESULT IN SYSTEMIC TOXICITY. MATL MAY CHELATE LEAD, MAGNESIUM, ZINC, AND TRACE METALS IF PRESEN T IN THE INTESTINE POSSIBLY INCREASING TOTAL BODY STORES OF THESE METALS.

Medical Cond Aggravated by Exposure:PERSONS W/RENAL OR HEART DISEASE; HISTORY OF SEIZURES OR INTERCRANIAL LESIONS; POTASSIUM DEFICIENCY;

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R INSULIN DEPENDENT DIABETES ARE AT INCREASED RISK OF EXPOSURE.

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

First Aid:INHAL:REMOVE FROM EXPOS TO FRESH AIR IMMED. SUPPORT BREATH (O*2/ARTIFICIAL RESPIRATION) KEEP WARM. SEE MD. SKIN: REMOVE CONTAM CLTH. WASH AFFECTED AREA WITH SOAP AND WATER FOR 15 MIN. SEE MD. EYE: F LUSH EYE IMMED W/WATER FOR 15 MIN. SEE MD. INGEST: SEE MD IMMED. TREAT SYMPTOMATICALLY. IF VOMIT, PREVENT ASPIRATION.

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== Fire Fighting Measures =====

Extinguishing Media:DRY CHEM, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM. FOR LARGER FIRES USE WATER SPRAY, FOG OR STANDARD FOAM.

Fire Fighting Procedures:MOVE CNTNR FROM FIRE AREAS.DO NOT SCATTER SPILLD MATL W/HIGH PRESS H*2O STREAMS.DIKE FIRE CONTROL H*2O FOR LATER DISP.USE NIOSH/MSHA APPRVD SCBA&FULL PROT EQUIP

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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===== Acc

idental Release Measures =====

Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY
CONTR 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 FORM INCOMPATIBLE
SUBSTANCES. KEEP IN A TIGHTLY CLOSED CONTAINER, STORE IN A COOL,
DRY VENTIL
ATED AREA.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NIOSH/MSHA APPRVD DUST/MIST RESP W/FULL
FACEPIECE.AIR PURIFYING FULL FACEPIECE RESP W/HEPA FILTER.POWERED
AIR PURIFYING RESP W/TIGHT FITTING FACEPIECE&HEPA FILTER.TYPE C,
SUPP AIR RESP OPER IN PRESS D EMAND MODE W/FULL FP,HELM,OR
HOOD.SCBA.

Ventilation:PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION
SYSTEM.

Protective

Gloves:CHEMICAL WORKERS GLOVES

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:IMPERVIOUS CLTH&EQUIP TO PREVENT RPTD&PRLNGD
SKIN CONT W/MATL. EMERGENCY EYE WASH.

Work Hygienic Practices:SEE OTHER PROTECTIVE EQUIPMENT.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Melt/Freeze Pt:M.P/F.P Text:482F,250C

Decomp Temp:Decomp Text:482F,250C

Vapor Pres:NEGLIGIBLE

pH:4-6

Solubility in Water:S

OLUBLE @5% SOLN

Appearance and Odor:HYGROSCOPIC, WHITE CRYSTALLINE POWDER

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING MATERIALS.

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

CONT W/STRONG OXIDIZERS, EXCESS HEAT,SPARKS,OR OPEN FLAME.

Hazardous Decomposition Products:THERMAL DECOMP PROD MAY INCLUDE TOXIC

AND HAZARDOUS OXIDES OF CARBON, NITROGEN, AND SODIUM.

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Disposal Considerations =====

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS

WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE,

CONTACT THE DISTRICT DIRECTOR OF THE EPA.

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