



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

MANGANESE DISODIUM EDTA

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc.	Emergency Number: Chemtrec	800-424-9300
135 Newbury Street		703-527-3887
Framingham, MA 01701	Information Number:	800-238-0001

Date: August 2007

Synonyms: Ethylenediaminetetraacetic acid manganese disodium salt

CAS #: 15375-84-5

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Manganese Disodium EDTA 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Yellowish powder with a characteristic odor. Can cause irritation to eyes, skin and respiratory tract. Upon decomposition, hazardous fumes may develop.

POTENTIAL HEALTH EFFECTS:

Eyes & Skin: May cause irritation.

Inhalation: May cause irritation to the upper respiratory tract.

Ingestion: No hazard in normal industrial use.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for 15 minutes.

Skin: Remove contaminated clothing. Wash off with soap and water.

Inhalation: Remove to the fresh air.

Ingestion: Wash out mouth, then dilute by drinking several glasses of water.

With All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: May produce toxic fumes upon decomposition (> 260°C)

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS as Manganese compounds

	TWA (mg/m ³)	STEL (mg/m ³)
NIOSH	1	3
ACGIH	5,1 (Fume)	3 (Fume)
OSHA (Ceiling)	5	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): Not Applicable

Bulk Density: Not Applicable

Percent Volatile by Volume (%): Decomposes @ >260°C

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable 800 g/L

pH: @ 1% solution ~ 6.5

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrous vapors may be produced.

KEEP AWAY FROM: Not Available

SECTION 11 - TOXICOLOGICAL INFORMATION

LD₅₀ - Oral - Rats >2000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

Manganese Disodium EDTA

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*D.O.T. SHIPPING NAME:..... Manganese Disodium EDTA Not Regulated

*BY AIR - IATA - NAME: Corrosive Solid N.O.S., Class 8, UN 1759, Packing Group III

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):

This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) as Manganese Compounds:* 1 lb

* Used as a hazardous air pollutant under section 112(b) of the Clean Air Act.

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Listed as Manganese Compounds

Section 311/312 Hazard Category: Immediate (acute) Health Hazard.

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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