

MATERIAL SAFETY DATA SHEET

6% MANGANESE EDTA

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Issue Date: 1/24/2014

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

6% MANGANESE EDTA

Chemical Description: Manganese Dipotassium Ethylenediaminetetraacetate.

TSCA/CAS NO.: The primary CAS number is 68015-77-0

Manufactured By

TEVA Corporation
6100 St Hwy 77
Benton, MO 63736

Emergency Phone Numbers

Emergency Telephone: Days: (573)-225-2400

Infotrac: (800) 535-5053

EPA NATIONAL RESPONSE CENTER: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear, slightly pink liquid with no odor. Mist may be irritating to the respiratory tract. Responders should be prepared with suitable gas masks or appropriate self-contained breathing apparatus. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0= INSIGNIFICANT 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME)

SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Call a physician if irritation persists.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: Call physician or Poison Control Center immediately. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional. Never induce vomiting or give diluents to someone who is unconscious, having convulsions, or who cannot swallow.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not flammable.
Test Method:	Not flammable.
LEL Flammable Limits:	Not flammable.
UEL Flammable Limits:	Not flammable.
Auto Ignition Temperature:	Not flammable.
Flammability Classification:	Not known.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	Not known.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Avoid high temperatures that may cause thermal decomposition or explosion, especially in confined or poorly ventilated spaces.
Extinguishing Media:	Water spray, foam, carbon dioxide, dry-chemical.
Special Firefighting Procedures:	Wear positive pressure, self contained breathing apparatus and goggles. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in a cool (above 32°F) dry, well ventilated area. This product should be stored in tanks constructed of stainless steel, fiberglass, polypropylene, or polyethylene. Do not store in aluminum vessels.
Transfer Equipment:	Transfer product using chemical resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear, slight pink liquid.
Odor:	None.
pH:	7.5 – 8.1
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	>212°F.
Freezing Point:	<32°F.
Water Solubility:	Completely miscible.
Density:	11.0 lbs/gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Strong acids.
Incompatibility:	Avoid high heat.
Hazardous Decomposition Products:	Not available.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Moderate irritant. May cause redness, burning, inflammation, and/or damage.
Skin:	Moderate irritant, especially from prolonged exposure. May cause skin ulcerations and/or burns.
Ingestion:	May cause severe gastrointestinal irritation, vomiting, stomach cramps and diarrhea. May interfere with circulation and oxygen carrying capacity of blood with prolonged exposure.
Inhalation:	May cause irritation to mucous membranes, coughing, or breathing difficulties.

Subchronic Effects: None known.Chronic effects: Repeated overexposure may cause dermatitis, conjunctivitis or cataracts.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known.
Toxicity to Fish and Invertebrates: Not known.
Toxicity to Plants: Not known.
Toxicity in Birds: Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.: Not D.O.T. regulated.
Other Shipping Description: Fertilizing Compounds (Manufactured), Liquid. NMFC Item 68140 Sub 6, LTL Class 70.

SECTION 15. REGULATORY INFORMATION

CERCLA: None.
SARA TITLE III, SECTION 313 TOXIC CHEMICALS: Manganese compounds 60% by weight.
PROPOSITION 65 (CA): WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. TEVA Corporation does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which TEVA Corporation assumes legal responsibility.