

MATERIAL SAFETY DATA SHEET

Till-It 5% Manganese EDTA

I. NAME

PRODUCT/TRADE NAME: TILL-IT 5% MANGANESE EDTA
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Dipotassium Salt of Manganese
Ethylenediaminetetraacetic Acid/Manganese EDTA

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Manganese EDTA	68015-77-0	5mg/m ³ ceiling	5mg/m ³ ceiling

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.249
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Ammonia
APPEARANCE: Red Brown Liquid
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H₂O: Soluble

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Do not breathe smoke or mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type:

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Aluminum, steel, oxidizers and high temperatures
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, NO_x, ZnO

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate personal protective equipment. Absorb with inert material and vacuum or sweep into disposal container.
DECONTAMINATION: Treat area with detergent and water and absorb with inert material. Place in disposal container and repeat procedure as necessary until area is clean.
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.
DISPOSAL: Dispose of in accordance with Federal, State and local regulations.

VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Wash thoroughly before eating, drinking or smoking.
INHALATION: PEL/TLV 5 mg/m³ is a ceiling. Do not breathe mist. Wear proper respiratory protection for exposures above the PEL/TLV.
SKIN ABSORPTION: Can cause minor skin irritation. Wear proper personal protective equipment to prevent skin exposure.
EYE EXPOSURE: Keep out of eyes. If exposed, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection to prevent exposure.
EFFECTS OF OVEREXPOSURE: Symptoms of overexposure can include mask-like facial expression, spastic gait, tremors, slurred speech, fatigue and insomnia. No known chronic effects. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.
FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate for a minimum of 15 minutes with water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA - approved respiratory protection for organic vapors for exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber gloves, long-sleeved coveralls and chemical goggles.
VENTILATION: General ventilation acceptable for intended use.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions. Do not store in steel or aluminum tanks.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical: Mn Compounds
SARA 302: Yes No Chemical:
TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [1]
Fire: [0]
Reactivity: [0]
Special: []

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious
1 = Slight 4 = Severe
2 = Moderate

HMIS HAZARD RATING SCALE:

Health: [1] 0 = Minimal 3 = Serious
Fire: [0] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300

