



# SAFETY DATA SHEET

Version 2

## 1. Identification of the Substance / Preparation and of the Company / Undertaking

**Product Name** Crop Choice EDTA Mn-6  
**Product Code** 54864  
**Recommended Use** Plant micronutrient  
**Restrictions on Use** None known  
**Manufacturer**  
SOIL SERVICE, INC.  
2576 N County Road 1600 E.  
Niota, IL 62358  
1-888-313-2360  
**Emergency Telephone:**  
CHEMTREC (US): 1-800-424-9300

## 2. Hazards Identification

### GHS - Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

**Signal Word:** None

### Precautionary Statements:

• As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

## 3. Composition / Information on Ingredients

Chemical name	CAS No.	Weight-%
Ethylenediaminetetracetic acid, manganese dipotassium complex	68015-77-0	42-48
Water	7732-18-5	Balance

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

## 4. First Aid Measures

### Description of first aid measures

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.  
**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.  
**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.  
**Ingestion** Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.  
**Most important symptoms and effects, both acute and delayed**  
**Symptoms** No information available.  
**Indication of any immediate medical attention and special treatment needed**  
**Note to physicians** Treat symptomatically.

## 5. Fire-fighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Explosion Data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

## 7. Handling and Storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents, strong acids, and strong bases.

## 8. Exposure Controls / Personal Protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylenediaminetetracetic acid, manganese dipotassium complex 68015-77-0	No data available	(vacated) Ceiling: 5 mg/m <sup>3</sup> Ceiling: 5 mg/m <sup>3</sup> Mn	IDLH: 500 mg/m <sup>3</sup> Mn TWA: 1 mg/m <sup>3</sup> Mn STEL: 3 mg/m <sup>3</sup> Mn

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid	<b>Odor:</b>	Odorless
<b>Appearance:</b>	Clear	<b>Odor Threshold:</b>	No information available
<b>Color:</b>	Slightly pink to brown		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	7.70	pH Range: 6.4-7.70 (neat) No information available
<b>Salt Out Point:</b>		No information available
<b>Melting Point/Freezing Point:</b>	-16 °C / 3 °F	No information available
<b>Boiling Point/Boiling Range:</b>		No information available
<b>Flash Point:</b>		No information available
<b>Evaporation Rate (BuAc=1):</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air:</b>		No information available
<b>Upper Flammability Limit:</b>		<b>Lower Flammability Limit:</b>
<b>Vapor Pressure (mm Hg):</b>		No information available
<b>Vapor density (Air =1)</b>		No information available
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.338	
<b>Specific Gravity (2nd value):</b>		
<b>Water Solubility:</b>		No information available
<b>Solubility(ies):</b>		No information available
<b>Partition Coefficient (n-octanol/water)</b>		No information available
<b>Autoignition Temperature:</b>		No information available
<b>Decomposition Temperature:</b>		No information available
<b>Kinematic Viscosity:</b>		No information available
<b>Dynamic Viscosity:</b>		No information available
<b>Oxidizing Properties:</b>	No information available	
<b>Explosive Properties:</b>	No information available	

**9.2. Other information**

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	421.40
<b>VOC Content(%):</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

**10. Stability and Reactivity**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	Strong oxidizing agents, strong acids, and strong bases.
<b>Hazardous decomposition products</b>	None known based on information supplied.

**11. Toxicological Information****Information on likely routes of exposure**

<b>Product Information</b>	
<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	No information available.
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**Numerical measures of toxicity**

No information available

**Acute Toxicity:**

The following values are calculated based on chapter 3.1 of the GHS document .

**Unknown Acute toxicity** 48 % of the mixture consists of ingredient(s) of unknown toxicity  
 48 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 48 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD <sub>50</sub> :	Dermal LD <sub>50</sub> :	LC <sub>50</sub> (Lethal Concentration):
Ethylenediaminetetracetic acid, manganese dipotassium complex 68015-77-0	> 2000 mg/kg ( Rat )	-	-
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** No information available.**Serious eye damage/eye irritation** No information available.**Respiratory or skin sensitization** No information available.**Germ cell mutagenicity** No information available.**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Target Organ Effects:** Kidney, Respiratory system, Central nervous system, Blood.**Other Adverse Effects:** No information available.**Aspiration hazard** No information available.**12. Ecological Information****Ecotoxicity** The environmental impact of this product has not been fully investigated.**Persistence and Degradability:** No information available.  
**Bioaccumulation:** There is no data for this product.**Other Adverse Effects:** No information available.**13. Disposal Considerations****Waste treatment methods****Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

#### 14. Transport Information

##### DOT

**Description** Not DOT Regulated

#### 15. Regulatory Information

##### International Inventories

**AICS** -  
**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** -  
**IECSC** Complies  
**KECL** -  
**PICCS** -

Chemical name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Ethylenediaminetetracetic acid, manganese dipotassium complex	-	Present ACTIVE	Present	-	Present	-	-	Present [38288]	-	-
Water	Present	Present ACTIVE	Present	-	Present	-	Present	Present [32224]	Present	Present

##### Inventory Legend

**AICS** - Australian Inventory of Chemical Substances  
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**RESTRICTIONS - REACH TITLE VII** No information available

##### US Federal Regulations

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### SARA 311/312 Hazard Categories

**Acute health hazard** No  
**Chronic health hazard** No  
**Fire hazard** No  
**Sudden release of pressure hazard** No

Reactive hazard

No

#### 16. Other Information

**Prepared By:** HSE Department  
**Issue Date:** 23-Aug-2018  
**Revision Date:** 06-May-2020  
**Revision Note:** Reviewed and Re-issued

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**