



# SAFETY DATA SHEET

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## 1. PRODUCT IDENTIFICATION

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**Product Name:** Monty's Manganese 6%

**Trade Names/Synonyms:** Ethylenediaminetetraacetic acid (EDTA), Manganese chelate

**EPA Reg. No.:** Not applicable

**Manufacturer:** Monty's Plant Food Co.  
4800 Strawberry Ln.  
Louisville, KY 40209

**Emergency Contact Number:** 502-489-9888

**SDS CREATION DATE:** February 3, 2017

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## 2. COMPOSITION

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| <b><u>Chemical Ingredients:</u></b> | <b><u>Percentage by Weight</u></b> | <b><u>CAS No.</u></b> | <b><u>TLV</u></b> |
|-------------------------------------|------------------------------------|-----------------------|-------------------|
| Total Nitrogen (N)                  | 6.60                               | Mixture               | none established  |
| Aqueous Ammonia                     |                                    | 1336-21-6             | none established  |
| EDTA                                | 32.0                               | 60-00-4               | none established  |
| Manganese                           | 6.0                                | 1314-13-2             | none established  |

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## 3. HAZARD IDENTIFICATION

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**CAUTION:** Keep out of reach of children.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Eye protection and gloves are suggested when handling product. Wash thoroughly after handling. Primary routes of entry are eye contact and skin contact.

Physical hazards: Not classified.  
Health hazards: Not classified.  
OSHA defined hazards: Not classified.

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## 4. FIRST AID MEASURES

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# Monty's Manganese

**Inhalation:** Remove affected person to fresh air and facilitate breathing as needed.

Contact physician for further care.

**Skin and Eye Contact:** Maybe an irritant to skin and eyes. Flush affected area with water for at least 15 minutes. Contact physician for further care.

**Ingestion:** Drink plenty of water to dilute. Notify a poison control center immediately.

Contact physician for further care.

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## 5. FIRE FIGHTING MEASURES

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**Flash Point (°F/Test Method):**

Does not flash.

**Flammable Limits (LFL & UFL):**

Not established.

**EXTINGUISHING MEDIA:** Use medium appropriate to surrounding fire. Water spray/fog, foam, carbon dioxide, dry chemical are acceptable. Remain upwind. Avoid breathing smoke. Wear contained breathing apparatus and full protective gear.

**Hazardous Combustion Products:** May include but are not limited to oxides of carbon, Manganese, and nitrogen.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Steps to be taken in case material is released or spilled:** Ventilate area. Contain spill and absorb liquid with clay or other absorbent material. Sweep up material and place in container for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal.

**Caution:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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## 7. HANDLING/STORAGE INFORMATION

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Open the container carefully. Contents may be under pressure and has a slight odor of ammonia. Eye protection and gloves are suggested when handling undiluted product. Use with adequate ventilation. Keep container tightly closed when not in use. A poorly sealed container may adversely affect product quality.

**Do not store below 25 °F.**

Observe all federal, state and local regulations when storing this product. It is recommended that storage and transfers of this product be done on an impervious surface to prevent contamination of waterways.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Engineering Controls:** Not normally required.

# Monty's Manganese

**Respiratory Controls:** Not normally required. If ammonia odor is too strong, wear a NIOSH approved respirator for anhydrous ammonia.

**Exposure Limits:** No occupational exposure limits have been established by OSHA/ACGIH/NIOSH.

**Ventilation:** Use general room ventilation or adequate ventilation for comfort.

**Protective Gloves and Other Protective Equipment:** Wear chemically protective gloves. Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated contact with skin.

**Eye Protection:** Wear safety goggles when handling this product. Use a face shield for additional protection. Contact lenses are not eye protective devices.

**For Firefighting and Other Immediately Harmful Conditions:** Any self-contained breathing apparatus or supplied air apparatus that has a full face piece and is operated in a positive-pressure mode is suitable.

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## 9. CHEMICAL/PHYSICAL PROPERTIES

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**Physical State:** Liquid

**Appearance and Odor:** Clear to straw colored with no odor.

**pH:** 10-11

**Melting Point:** Not applicable

**Boiling Point:** Undetermined

**Water Solubility:** Miscible.

**Specific Gravity (water = 1.0):** 1.30 (10.85 lbs/gallon)

**Evaporation Rate:** Not established.

**Percent Volatile (by volume):** Not established

**Vapor Pressure:** Not established.

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Avoid contact with strong oxidizers, strong acids and/or excessive heat.

**Hazardous Decomposition Products:** Thermal decomposition may include but are not limited to oxides of carbon, Manganese, and nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Oral LD<sub>50</sub>:** Ammonia: 350 mg/kg

**Acute Dermal LD<sub>50</sub>:** not established

# Monty's Manganese

**Eye Irritation:** Causes slight irritation

**Inhalation LC<sub>50</sub>:** 2000 ppm (4 hr.)

**Ingestion:** Maybe an irritant if ingested.

**Carcinogenic Potential:** None listed in OSHA, NTP, IARC, or ACGIH

**Acute Toxicity Values:** Not Applicable

**Skin Irritation:** Causes slight irritation.

**Skin Sensitization:** not established

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## 12. ECOLOGICAL INFORMATION

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**ENVIRONMENTAL IMPACT RATING (0-4):** No data available for this product

**ACUTE AQUATIC TOXICITY:** No data available for this product

**DEGRADABILITY:** No data available for this product

**LOG BIOCONCENTRATION FACTOR (BCF):** No data available for this product

**LOG OCTANOL/WATER PARTITION COEFFICIENT:** No data available for this product

Material is toxic to fish and other aquatic organisms.

Do not contaminate water supplies.

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## 13. DISPOSAL CONSIDERATIONS

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Evaluation is required by the user at the time of disposal. In all cases, disposal should be in accordance with all local, state, and federal laws and regulations. For recycling options please contact product manufacturer.

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## 14. TRANSPORTATION INFORMATION

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Not Established under DOT - 49 CFR 172.101

**Freight Classification:** Fertilizing Compounds (Manufactured Fertilizers), NOI, Liquid (NMFC 68140, Sub 6; Class 70)

Consult Appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

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## 15. REGULATORY INFORMATION

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**NFPA & HMIS Hazard Ratings:** NFPA

1 Health  
0 Flammability  
1 Instability

HMIS

0 Least  
1 Slight  
2 Moderate  
3 High  
4 Severe  
1 Health  
0 Flammability  
1 Reactivity  
H PPE

**SARA Hazard Notification/Reporting**

|  |           |   |                            |   |         |   |
|--|-----------|---|----------------------------|---|---------|---|
| <b>SARA Title III Hazard Category:</b> | Immediate | Y | Fire                       | N | Delayed | N |
|  | Reactive  | N | Sudden Release of Pressure |   |         | N |

# Monty's Manganese

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## 16. OTHER INFORMATION

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Prepared by: Compliance Department  
SDS Preparation Date: February 3, 2017  
Last Revision Date: new

### **FOR ADDITIONAL NON-EMERGENCY INFORMATION CONTACT:**

Monty's Plant Food Co.  
4800 Strawberry Ln.  
Louisville, KY 40209  
502-489-9888

Note: This MSDS was prepared for and shall only be used for this product. The information and recommendations on this MSDS is presented in good faith and based on data which is believed to be accurate. Manufacturer, however, makes no guarantees or warranty, either expressed or implied, on the accuracy of this information. The conditions or methods of handling, storage, use, and disposal of this is beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, disposal of this product. If this product is used as a component of another product, the information contained in this SDS may no longer be applicable.

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness by Manufacturer. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement. Manufacturer reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on- site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it. Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.