

## SAFETY DATA SHEET

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Common Name: Manganese Chelate 5%

Chemical Description: Proprietary Mixture of Diammonium Salt of Zinc  
Ethylenediaminetetraacetic Acid

TSCA/CAS No.: No specific CAS number because this product is a mixture

Manufactured By:

Custom Ag Formulators, Inc  
3430 S. Willow  
Fresno, CA 93725

Emergency Phone Numbers

Emergency Telephone: (559) 435-1052

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

**SECTION 2. HAZARD(S) IDENTIFICATION**

Signal Word: CAUTION

Response:

In Case of Fire: Media as needed to control primary source of fire.

If Swallowed: Drink at least 2 glasses of milk of magnesia, milk or water, then induce vomiting. Repeat until vomit is clear. Get medical attention immediately.

If on Skin or Hair: Wash thoroughly with soap and water. If irritation develops obtain medical attention.

If in Eye: Wash for at least 15 minutes occasionally lifting upper and lower lids. If irritation persists obtain medical attention.

If Inhaled: Remove from contaminated atmosphere. If breathing becomes difficult obtain medical attention.

HEALTH: 3

REACTIVITY: 5

FLAMMABILITY: 5

ENVIRONMENT: 5

(5=Insignificant 4=Slight 3=Moderate 2=High 1=Extreme)

**SECTION 3. HAZARDOUS INGREDIENTS**

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
N/A				

**SECTION 4. FIRST AID MEASURES**

Eyes: Wash eyes for at least 15 minutes. If irritation persists, consult a physician.

- Skin:** Wash thoroughly with soap and water. If irritation or symptoms persist, consult a physician.
- Ingestion:** Nausea, gastric distress. Metallic poisoning may result from swallowing large amounts of product. If person is conscious, give large amounts of water. Do not induce vomiting. Seek medical attention immediately. Do not make an unconscious person drink fluids.
- Inhalation:** Remove containment from atmosphere. Inhalation of spray mist may cause respiratory irritation, consult a physician.

<b>SECTION 5. FIRE-FIGHTING MEASURES</b>
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**Extinguishing Media:**

Media as needed to control primary source of fire.

**Special Firefighting Procedures:**

Wear respirator, contain runoff water.

**Unusual Fire & Explosion Hazards:**

N/A.

<b>SECTION 6. ACCIDENTAL RELEASE MEASURES</b>
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**Containment:** Contain spill, absorb in inert material.

**Clean Up:** Place in disposable container, flush cleaned area with water to dilute to harmless solution. Caution, floor may become slippery from spilled product.

**Evacuation:** N/A.

<b>SECTION 7. HANDLING AND STORAGE</b>
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**Storage:** Store in a cool dry place away from children as well as food and feed products.

**Transfer Equipment:** During product transfer use a chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

**Work/Hygienic Practices:** Keep out of the reach of children. Abstain from contact with eyes, skin and clothing. Avoid inhalation of spray mists. After handling thoroughly wash with soap and water.

<b>SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Eyes:** To minimize eye contact, wear goggles when using this or any other agricultural product.

**Skin:** To minimize skin contact, wear full length clothing and rubber gloves while handling this product.

**Respiratory:** Avoid inhaling spray mist. Inhalation may be minimized by wearing an approved respirator.

**Ventilation:** No TLV established but would recommend.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Dark Blue.
Specific Gravity:	1.265 @ 68°F.
Odor:	N/A.
pH:	N/A.
Vapor Pressure:	N/A.
Vapor Density (Air=1):	N/A.
Boiling Point:	>212°F.
Freezing Point:	<32°F.
Water Solubility:	Soluble.
Weight per Gallon:	N/A.
Density:	10.2 lbs/gal.
Evaporation Rate:	N/A.
Viscosity:	N/A.
% Volatile:	<0.5%.
Octanol/Water Partition Coefficient:	N/A.
Saturated Vapor Concentration:	N/A.
Flash Point:	N/A.
Upper Explosive Limit:	N/A.
Lower Explosive Limit:	N/A.

**SECTION 10. STABILITY AND REACTIVITY**

Stable:	Yes.
Avoid:	May react vigorously with alkaline products.
Incompatibility:	May react vigorously with alkaline products.
Hazardous Decomposition Products:	N/A.
Hazardous Polymerization:	Should not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**Acute Effects:

Eyes: May cause severe eye irritation and possibly irreversible damage.

Skin: May cause discomfort and irritation with skin contact. Harmful if absorbed through broken skin.

Swallowing: Harmful if swallowed. May cause malaise, nausea, gastrointestinal damage or even death.

Inhalation: Prolonged exposure to low concentrations of vapor may cause sore throat and headache.

Subchronic Effects: N/A.

Chronic Effects: N/A.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: N/A.  
Toxicity to Fish and Invertebrates: N/A.  
Toxicity to Plants: N/A.  
Toxicity in Birds: N/A.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of waste materials and containers according to local, state, and federal regulations. Read and observe all precautions on the product label. Keep product in original container.

**SECTION 14. TRANSPORT INFORMATION**

D.O.T.: Not D.O.T. Regulated.  
Other Shipping Description: Ag Adjuvant, Liquid.  
NMFC Item 42652, Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: N/A.

SARA TITLE III, Section 313 Toxic Chemicals: N/A.

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**

The above information is based on data of which the manufacturer is aware and is believed to be correct as of the date hereon. Since the information contained herein may be applied under conditions beyond the manufacturer's control and which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, the manufacturer does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.