

# MATERIAL SAFETY DATA SHEET

SEQUESTAR® 13% MANGANESE CHELATE

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Issue Date: 3/05

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

Product Name: SEQUESTAR® 13% MANGANESE CHELATE

Common Name:

Chemical Description: Soluble metal complex of manganese disodium ethylenediaminetetraacetate (MnNa<sub>2</sub>EDTA).

TSCA/CAS No.: The primary CAS No. is 15375-84-5

### Manufactured For

Monterey AgResources

P.O. Box 35000

Fresno, CA 93745

### Emergency Phone Numbers

Emergency Telephone: DAY: (559) 499-2100

EVE: (559) 431-7390

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

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

Dry flowable granules. Irritant to eyes and skin. Contain any liquid runoff. Not D.O.T. regulated.

HEALTH: 1    REACTIVITY: 0    FLAMMABILITY: 1    ENVIRONMENT: 1

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

## SECTION 4. FIRST AID

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention if irritation persists.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if skin becomes irritated.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	Noncombustible.
Test Method:	Not pertinent.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	None identified.
Properties that Initiate/Contribute to Intensity of Fire:	None identified.
Potential For Dust Explosion:	None identified.
Reactions that Release Flammable Gases or Vapors:	None identified.
Potential For Release of Flammable Vapors:	None identified.
Unusual Fire & Explosion Hazards:	None identified.
Extinguishing Media:	Use agents appropriate to surrounding fire.
Special Firefighting Procedures:	Stay upwind of smoke. 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:	Sweep up and use according to labeling or package for disposal.
Evacuation:	Not necessary.

**SECTION 7. STORAGE AND HANDLING**

Storage:	Store in a cool, dry place away from children. Do not store in contact with brass. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer solutions of product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed or inhaled. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**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:	Dry flowable granules.
Odor:	Not available.
pH:	5 - 9, 2% solution
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Soluble.
Specific Gravity:	~ 0.8
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:	Wet and humid conditions.
Incompatibility:	Strong oxidants and alkalines.
Hazardous Decomposition Products:	Not available.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**

<u>Acute Effects:</u>	
Eyes:	Slight irritant. May cause redness.
Skin:	Slight irritant, especially from prolonged exposure. May cause redness.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	May cause some respiratory irritation.
<u>Subchronic Effects:</u>	None known.
<u>Chronic Effects:</u>	None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity to 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), Dry. NMFC Item 68140 Sub 4, LTL Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.  
SARA TITLE III, Section 313 Toxic Chemicals: Manganese compounds (95%).  
PROPOSITION 65: 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. Monterey AgResources 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 Monterey AgResources assumes legal responsibility.