



# SBC Helix Manganese- SDS

## SAFETY DATA SHEET (SDS)

### \*\*\* Section 1: Identification \*\*\*

Product Name : SBC Helix Manganese  
Synonyms: None Known  
Product Use: Liquid Fertilizer  
Manufacturer/Supplier: Soil Basics Corporation  
Address: 17014 Avenue 296, Visalia, CA 93292  
General Information: (559) 651-2772  
Emergency Phone Number: (888) 769-9266

### \*\*\* Section 2: Hazard Identification \*\*\*

Signal Word: **Warning**  
Hazard Statement  
Skin Irritation: May cause mild irritation  
Eye Irritation: May cause injury  
Ingestion: Causes irritation to the digestive and respiratory tract



### \*\*\* Section 3: Composition/Information on Ingredients \*\*\*

Component	CAS Number	Weight %
Blend of plant nutrients derived from manganese sulfate (CAS No. 10034-96-5).	Proprietary	100
GUARANTEED ANALYSIS: Manganese		2.5

### \*\*\* Section 4: First Aid Measures \*\*\*

Emergency First Aid  
Inhalation: Cannot be inhaled.  
Skin: Mild irritation. Rinse skin immediately with water.  
Eye: Wash with tempered water for 15 minutes. Do not rub eyes.  
Ingestion: Causes irritation to the digestive and respiratory tract. Drink plenty of water or fruit juice. Call doctor immediately. Do not induce vomiting.

### \*\*\* Section 5: Fire Fighting Measures \*\*\*

Suitable extinguishing media: No specific firefighting procedures noted  
Specific hazards arising from the chemical: None  
Special protective equipment and precautions for fire fighters: No specific recommendation made, but respiratory protection may be required under exceptional circumstances when excessive air contamination exists.

### \*\*\* Section 6: Accidental Release Measures \*\*\*

Personal precautions, protective equipment and emergency procedures: Before using, repairing or providing maintenance of contaminated equipment, drain and rinse with water. No unusual requirements for hygienic practices.  
Environmental Precautions: Do not contaminate the waterways.  
Methods and materials for containment and cleaning up: Spill response: confine the spill into a dike area or sump if possible. Recover as much of the liquid as possible. Do not allow run-off into sewer systems.



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### \*\*\* Section 7: Handling and Storage \*\*\*

Precautions for safe handling: Refer to Section 8 for personal protective equipment.  
Conditions for safe storage, including any incompatibilities: Ambient storage temperature, unlimited shelf life. In handling and storage, keep separate from acids.

### \*\*\* Section 8: Exposure Controls/Personal Protection \*\*\*

Control parameters: None  
Engineering Controls: Not applicable  
Individual protection measures, such as personal protective equipment: No respiratory protection required. Use suitable protective rubber or plastic gloves to avoid prolonged or repeated skin contact. Goggles or face shield for eye protection. Emergency eye wash and safety shower is recommended for other protective equipment. No ventilation methods required.

### \*\*\* Section 9: Physical and Chemical Properties \*\*\*

pH:	2.66	Color:	Amber-brown
Odor:	Slight	Odor Threshold:	None
Melting point/freezing point:	N/A	Initial boiling point and boiling range:	N/A
Flash point:	N/A	Evaporation rate:	N/A
Flammability (solid, gas):	Not determined	Upper/lower flammability or explosive limits:	Not determined
Vapor pressure:	N/A	Vapor density:	N/A
Relative density:	N/A	Solubility(ies):	N/A
Partition coefficient n-octanol/water:	N/A	Auto-ignition temperature:	Not combustible
Decomposition temperature:	None	Viscosity:	N/A

### \*\*\* Section 10: Stability and Reactivity \*\*\*

Reactivity: Unknown  
Chemical stability: Stable under normal conditions  
Possibility or hazardous reactions: No dangerous reactions known  
Conditions to avoid (e.g. static discharge, shock or vibration): Excessive heat or contact with acids  
Incompatible materials: Acids and heat  
Hazardous decomposition products: None

### \*\*\* Section 11: Toxicological Information \*\*\*

Information on the likely routes of exposure: Body contact is most likely route.  
Inhalation: None  
Ingestion: None  
Skin Contact: Could be a route  
Eye contact: Could be a route  
Symptoms related to characteristics of: No symptoms aggravated by exposure  
Physical: None  
Chemical: None  
Toxicological: None  
Delayed effects: None determined  
Immediate effects: None determined  
Chronic effects from short term exposure: None determined  
Chronic effects from long term exposure: None determined  
Numerical measures of toxicity: None determined



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### \*\*\* Section 12: Ecological Information \*\*\*

Ecotoxicity (aquatic and terrestrial, where available): No further information available  
Persistence and degradability: No further information available  
Bioaccumulative potential: No further information available  
Mobility in the soil: No further information available  
Other adverse effects: Hazardous for water; keep out of waterways.

### \*\*\* Section 13: Disposal Information \*\*\*

Waste disposal methods: Reclaim and reuse as much as possible. Do not allow material to reach sewer system.  
Dispose in accordance with local, state and federal regulations.

### \*\*\* Section 14: Transport Information \*\*\*

UN proper shipping name: Non-regulated material  
UN Number: Non-regulated material  
Transport Hazard Class: Not a DOT hazardous material  
Packing group: Not applicable  
Environmental hazards: No information found  
Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Trucks, tanks, mini-bulks, drums, buckets  
Special precautions which a user needs to be aware of, or needs to comply with: None determined at this time

### \*\*\* Section 15: Regulatory Information \*\*\*

Safety, health and environmental regulations: No additional regulatory information applicable. Refer to sections 11, 13, 14

### \*\*\* Section 16: Other Information \*\*\*

Emergency Overview: Product is a amber to brown aqueous solution. Product is irritating to the eyes. Inhalation of mists and vapors should be avoided, as it may be irritating to the respiratory system.  
Miscellaneous Information: Use with caution and according to specifications on manufacturer's label. SDS may not fully reflect manufacturer's recommendations. Containers will contain residues of the product. Do not re-use containers for any purpose other than transporting, storing, or mixing of fertilizers. The information accumulated herein is believed to be accurate but is not warranted to be whether origination with the company or not. Recipients are advised to confirm in advance of need that they information is current, applicable, and suitable to their circumstances.  
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