

**1. PRODUCT AND COMPANY IDENTIFICATION**

TRADE NAME: Organic BioLink® Manganese 6%  
MANUFACTURER'S NAME: Westbridge Agricultural Products  
ADDRESS: 1260 Avenida Chelsea, Vista, CA 92081  
TELEPHONE NO.: (800) 876-2767  
POISON CONTROL TELEPHONE: 1(800) 222-1222  
COMPOSITION: Manganese Sulfate  
RECOMMENDED USE: A Liquid Plant Nutrient For Agricultural Use.

**2. HAZARD IDENTIFICATION**

CLASSIFICATION: Category 2B – Eye Irritation  
PICTOGRAM: None.  
SIGNAL WORD: **WARNING.**  
HAZARD STATEMENT: **H320 – Causes Eye Irritation**  
PRECAUTIONARY STATEMENT: **KEEP OUT OF REACH OF CHILDREN.**  
Wash thoroughly after handling this product.  
Wear eye/face protection such as goggles or face shield.  
Avoid contact with eyes, skin or clothing. Do not breathe mist or vapor.  
If irritation occurs, refer to Section 4 of this SDS for First Aid information.

**3. COMPOSITION INFORMATION**

<u>COMPOSITION</u>	<u>Concentration %</u>	<u>CAS Number</u>
Manganese Sulfate	4.0%	10034-96-5

**4. FIRST AID MEASURES**

<i>If on Skin OR Clothing:</i>	Immediately remove contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<i>If in Eyes:</i>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice.
<i>If Inhaled:</i>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. Call poison control center or doctor for treatment advice.
<i>If Swallowed:</i>	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 by a poison control center or doctor. Do not give anything to an unconscious person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

NOTES TO PHYSICIAN: Treat patient symptomatically.

**5. FIRE-FIGHTING MEASURES**

GENERAL INFORMATION: THIS PRODUCT IS NOT FLAMMABLE  
FLASH POINT: N/A  
TEST METHOD: N/A  
EXTINGUISHING MEDIA: N/A  
SPECIAL FIRE FIGHTING PROCEDURES: N/A  
AUTOIGNITION TEMPERATURE: N/A  
FLAMMABLE: This product is not flammable  
UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

---

## 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Wearing personal protective clothing, goggles, and gloves. Absorb the liquid and wash area with soap and water.

**NEUTRALIZING CHEMICALS:** N/A

Always dispose of waste materials in accordance with all State, Federal and Local Regulations

---

## 7. HANDLING AND STORAGE

### HANDLING REQUIREMENTS:

- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Workers should wash hands and face before eating, drinking and smoking.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.

### STORAGE REQUIREMENTS:

- KEEP OUT OF REACH OF CHILDREN.
  - Store in a dry area, above freezing and below 95°F, and out of direct sunlight.
  - Keep in the original container or an approved alternative made from a compatible material.
  - Keep tightly closed when not in use.
  - Do not reuse container.
- 

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION REQUIREMENTS:** Indoor use - adequate mechanical ventilation

### SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

**EYE PROTECTION:** Wear goggles or face shield.  
**RESPIRATORY PROTECTION:** Not required with ventilation. Do not intentionally breathe dust/spray.  
**HAND PROTECTION:** Impermeable or chemical resistant gloves.  
**OTHER EQUIPMENT:** Not required.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Dark Brown, viscous liquid with a sweet odor
<b>pH:</b>	5.7 ± 0.5
<b>BOILING POINT, 760 MM HG:</b>	100°C
<b>MELTING POINT:</b>	N/A
<b>FLASH POINT:</b>	N/A
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.1884
<b>EVAPORATION RATE (BUTYLACETATE=1):</b>	N/A
<b>FLAMMABLE:</b>	This product is not flammable
<b>VAPOR PRESSURE:</b>	Not Known
<b>VAPOR DENSITY (AIR=1):</b>	Not known
<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Approximate 95% By Wt..
<b>AUTOIGNITION TEMPERATURE:</b>	N/A
<b>% VOLATILES BY VOL:</b>	Not known

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

---

## 10. STABILITY AND REACTIVITY DATA

**GENERAL INFORMATION:** Stable under recommended storage conditions.

**CORROSIVE:** \_\_\_YES \_\_\_X\_\_\_ NO

**STABILITY:** \_\_\_X\_\_\_ stable \_\_\_ unstable

**INCOMPATIBILITY (materials to avoid):** Base or Caustic Materials

**HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:** N/A

**HAZARDOUS POLYMERIZATION:** None

---

---

**11. TOXICOLOGICAL INFORMATION****SYMPTOMS OF OVEREXPOSURE**

**INHALATION:** None expected.  
**SKIN ABSORPTION:** None expected.  
**INGESTION:** Gastrointestinal Track

**SKIN CONTACT:** None expected.  
**EYE CONTACT:** Potential mild irritation.

**EFFECTS OF OVEREXPOSURE**

**ACUTE OVEREXPOSURE:** Expected toxicity none to slight.

**CHRONIC OVEREXPOSURE:** Expected toxicity none.

**SUSPECTED CANCER AGENT?**

**NO:** This product's ingredients are not found in the lists below.  
 **YES:**  Federal OSHA  NTP  IARC  Cal/OSHA  Prop 65

---

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL EFFECTS:** No known significant effects or critical hazards.

---

**13. DISPOSAL PROCEDURES**

**WASTE DISPOSAL METHOD:** Follow all applicable Federal, State and local regulations.

**CAUTION:** Do not contaminate surface waters or ditches with product or used containers.

---

**14. TRANSPORT INFORMATION**

**GENERAL INFORMATION:** Non-hazardous material. No special precautions required.  
**D.O.T.:** Not D.O.T. Regulated.  
**OTHER SHIPPING DESCRIPTION:** Fertilizing Compounds (Manufactured), Liquid. NMFC Item 68140 Sub 6, LTL Class 50  
**IATA CLASSIFICATIONS:** Substances Not Regulated.  
**IATA HAZARD CLASS/DIVISION:** Substances Not regulated  
**UN NUMBER:** N/A  
**UN PROPER SHIPPING NAME:** N/A  
**TRANSPORT HAZARD CLASS(ES):** N/A  
**PACKING MATERIALS:** HDPE Containers

---

**15. REGULATORY INFORMATION**

**EPA REG. NO.:** N/A  
**ORGANIC CERTIFICATION:** Yes - WSDA  
**PROPOSITION 65 (CA):** N/A.  
**SARA TITLE III, SECTION 313 TOXIC CHEMICALS:** None.

---

**16. OTHER INFORMATION**

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

---

**PREPARED BY:** Ivonne Sanchez, Regulatory/R&D Coordinator at Westbridge Agricultural Products  
**REVISED BY:** Josh Koenemann, Production Assistant Supervisor  
**REV. DATE:** 10/29/2013