



## Guaranteed Analysis

Sulfur (S).....3.0%  
Manganese (Mn).....5.0%

### Derived From:

Manganese Sulfate

### Physical Properties:

Form: Liquid

Appearance: Slightly hazy, light pink color, having no characteristic odor.

Weight: 9.76 lb/gal, 1.17 kg/L

pH: 1.5–2.5

### Caution:

Keep out of reach of children. The liquid and mists may cause irritation to the eyes, skin, and respiratory tract. This product may be toxic by ingestion or by inhalation of high mist concentrations.

### Storage and Disposal:

Do not store this product below 50°F (10°C) or above 90°F (30°C). Keep product in original container. Do not transfer into food or drink containers. Triple rinse container when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

### Conditions of Sale:

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, plant and soil conditions, and other factors are beyond the control of the seller.

For more info on this product:



## The Organic Solution for Manganese Nutrition

Carbon-complexed with Micro Carbon Technology®, OMRI-Listed Huma® **OM Manganese** is an organic manganese nutrient derived from manganese sulfate. It ensures efficient and effective uptake of manganese, which is a micronutrient involved in many plant metabolic activities including photosynthesis, enzyme activity, and nutrient regulation.

### Benefits of Use:

- Effectively treats manganese deficiency symptoms
- An enzyme activator that aids in chlorophyll synthesis
- Closely associated with the micronutrients copper and zinc
- Activates the lipid enzymes
- Essential for assimilation of carbon dioxide in photosynthesis
- Functions in the formation of riboflavin, ascorbic acid, and carotene
- Improves formation of lateral roots
- Provides quick crop response and can be applied just prior to actual crop need
- Can be applied foliarly (according to label directions) without risk of phytotoxicity
- Can be effectively tank-mixed with other organic crop inputs
- Resists tie-up in the soil and remains available through the plant root system

### Deficiency Symptoms-When to Apply:

- Chlorosis and/or mottling due to manganese deficiency
- Plants may be pale green to yellow-red in color between green veins on soybeans, tomatoes, and beets
- Tips of small grains turn gray to white (gray speck in oats)
- In neutral to alkaline soils high in calcium and in organic soils where manganese is less available

### Application Instructions:

SHAKE WELL BEFORE USING. Can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar test a small quantity. Do not foliarly apply this product in concentrations greater than 10% without a preliminary foliar test.

METHOD OF APPLICATION	SUGGESTED RATE		
	Field Crops, Sod, and Specialty Crops	Tree or Vine Crops	
Foliar band application at 50% coverage	Up to 2 quarts/acre, 5 liters/hectare	Up to 3 oz/1000 ft <sup>2</sup> , 105 mL/100 m <sup>2</sup>	–
Foliar broadcast or sprinklers: solid, set, linear, or pivot (100% speed)	Up to 1 gallon/acre, 10 liters/hectare	Up to 6 oz/1000 ft <sup>2</sup> , 210 mL/100 m <sup>2</sup>	Up to 2 gallons/acre, 20 liters/hectare
Soil banded or injected through drip tape or micro sprinklers.	Up to 2 gallons/acre, 20 liters/hectare	Up to 12 oz/1000 ft <sup>2</sup> , 420 mL/100 m <sup>2</sup>	Up to 4 gallons/acre, 40 liters/hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 4 gallons/acre, 40 liters/hectare	Up to 24 oz/1000 ft <sup>2</sup> , 840 mL/100 m <sup>2</sup>	Up to 8 gallons/acre, 80 liters/hectare



This product contains Micro Carbon Technology® (MCT), a proprietary blend of very small organic molecules that allow for more effective absorption of nutrients by plants.