



Material Safety Data Sheet

MSDS # (201111)

SECTION 1: GENERAL INFORMATION

Product Name(s): Micronutrients
Product Use(s): Fertilizer
Manufacturer/Supplier:
West Coast Horticulture
4110 SE Hawthorne Blvd. #701
Portland, OR 97214

For More Information:
Phone: 503-477-8284
Web: www.westcoasthorticulture.com

SECTION 2: HAZARDOUS INGREDIENTS & COMPOSITION

Component	CAS#	Component	CAS#
Magnesium Sulfate	74487-88-9	Manganese Sulfate	10034-96-5
Iron Sulfate Heptahydrate	7782-63-0	Sodium Borate	12280-03-4
Copper Sulfate	7758-99-8	Sodium Molybdenum	7631-95-0
Zinc Sulfate	7446-19-7		

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Liquid

Appearance: Reddish-orange solution

Odor: Faint metallic odor

Vapor Pressure (mm Hg): Not applicable

Solubility in Water: Soluble

Boiling Point: 312°F

Melting Point: Not applicable

Evaporation Rate: Not applicable

Specific Gravity (H2O=1): Not applicable

Density: 8.4lbs/gallon

pH: Not applicable

SECTION 4: FIRE & EXPLOSION HAZARD DATA

Flash Point: Not applicable

Extinguishing Media: Not flammable

Unusual Fire Explosion Hazards: None. Material will not burn.

Explosive Limits: Not explosive

Special Fire Fighting Procedures: None

SECTION 5: REACTIVITY DATA

Chemical Stability: Stable

Hazardous Polymerization: None

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Conditions to Avoid: None known
Incompatibility: None known
Hazardous Decomposition or Byproducts: None

SECTION 6: HEALTH HAZARD DATA

Potential Health Hazard Effects:

Inhalation: None
Skin: Do not expose product to open wounds or cuts.
Ingestion: Obtain medical attention immediately.
Eyes: Avoid contact with eyes. May cause irritation.

Carcinogenicity: None known

Medical Conditions Generally Aggravated by Exposure: None known

Emergency and First Aid Procedures:

Inhalation: If vapors or mist causes distress or irritation, move to fresh air.
Skin: Wash thoroughly with soap and water.
Ingestion: Obtain immediate medical attention in all cases.
Eyes: Flush immediately with cool, clean water for at least 5 minutes. Seek medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in Case Material is Released or Spilled: Contain all spills and leaks to prevent discharge into the environment. Keep spills away from drinking water. If material is uncontaminated, collect and reuse as recommended for product. If not reusable, use appropriate absorbent material to absorb the spilled material. After cleaning up spill, flush area with water.

Waste Disposal Method: Apply as fertilizer and/or compost to field or garden soil. If product is contaminated, dispose of in an approved landfill disposal facility in accordance with all applicable federal, state and local regulations.

Handling: Wash thoroughly after handling.

Storage: Store in a cool, dry area away from heat. Do not store at sustained temperatures above 120F or below 32F. Keep container tightly sealed.

Other Precautions: Keep out of reach of children. If ingested, call a physician.

SECTION 8: CONTROL MEASURES

Respiratory Protection: No special requirements.

Ventilation: No special requirements.

Protective Gloves: None required for normal use. Do not expose the material to open wounds or cuts. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

Eye Protection: None required for normal use.

Other Protective Clothing or Equipment: Normal work clothing.

Work/Hygienic Practices: Open wounds should be kept clean and suitably protected. Always wash hands with warm soapy water after working with fertilizers.

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