

SAFETY DATA SHEET

Big Bend Agri-Services, Inc.



Print Date 06/11/24

1. Identification

Product Name: MICRAMIN MICROS FOR TURF AND ORNAMENTALS 4-0-0
Synonyms: None
Product Use: Inorganic Fertilizer
Manufacturer/Supplier: Big Bend Agri-Services, Inc.
Address: 328 1st Ave NE Cairo, GA 39828
Phone: 800.321.7709
Emergency contact: ChemTel 800.255.3924

2. Hazard Identification

Signal Word: Warning
Skin Irritation: Prolonged or repeated contact may irritate slightly.
Eye Irritation: Contact with liquid may irritate slightly.
Acute Toxicity Oral: Not tested. Components are not considered to be acutely toxic.
Acute Toxicity Dermal: No data available
Hazard Categories: Oral/Dermal/Inhalation Toxicity - 4/4/4; Eye Irritation - 2A; Skin Irritation - 2
Hazard Statement: Harmful if swallowed.
May be harmful in contact with skin.
Causes serious eye irritation.
Causes mild skin irritation.
May be harmful if inhaled.



3. Composition / Information on Ingredients

Component: Blend of plant nutrients derived from Magnesium Nitrate, Boric Acid, Copper Citrate, Iron Citrate, Manganese Nitrate, and Sodium Molybdate.

GUARANTEED ANALYSIS:

Nitrogen (N): 4.00%
Urea Nitrogen (N): 2.2%
Nitrate Nitrogen (N) 1.80%
Magnesium (Mg): 1.00%
Boron (B): 0.02%
Copper (Cu): 0.25%
0.25 % Water Soluble Copper (Cu)
Manganese (Mn): 1.00%
1.00% Water Soluble Manganese (Mn)
Zinc (Zn): 0.60%
0.60% Water Soluble Zinc (Zn)
Molybdenum (Mo): .0005%
Iron (Fe) 4.00%
Iron Water Soluble (Fe) 4.00%

CAS Number: Proprietary
Weight % : 100.00

4. First Aid Measures

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation continues.

Inhalation: Move to fresh air. Obtain medical attention if irritation develops.

Ingestion: Drink large volumes of water. Call a physician or poison control center.

Indication of Immediate Medical Attention and Special Treatment Needed: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

5. Fire Fighting Measures

Extinguishing Media: Use water fog or spray, dry chemical or carbon dioxide extinguishing agent.

Specific Hazards Arising from the Chemical: Product may release toxic fumes and oxides of carbon.

Special Fire Fight Proc: Wear positive-pressure self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

6. Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. Keep unnecessary personnel out of area.

Protective Equipment: NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splash-proof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

Emergency Procedures: Do not contaminate water supplies, lakes, streams, ponds or drains with spilled product.

Methods and Materials for Containment and Cleanup: Contain spill. If uncontaminated, collect and reuse product. If contaminated, absorb on sand or clay and place in a recovery drum for proper disposal.

7. Handling and Storage

Precautions for Safe Handling: Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid containers, piping or fittings made of copper-containing alloys or galvanized metals.

Conditions for Safe Storage: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

8. Exposure Controls / Personal Protection

TLV/PEL: Not established

Appropriate Engineering Controls: Local exhaust should be sufficient.

Personal Protective Equipment: NIOSH-approved respirator for ammonia gas if mist or spray is present, impervious gloves, splash-proof goggles, impervious apron and footwear. Safety shower and eyewash should be available.

9. Physical and Chemical Properties

Odor/Appearance: Clear liquid with no odor.

Flash Point, °F: Not flammable

Boiling Point, °F: Not applicable

Melting Point (Freezing point), °C: <32 Degrees F

Vapor Pressure, mm Hg @ 20° C: Not applicable

Vapor Density: Not applicable

Solubility in Water: Soluble

Molecular Formula: Not applicable, formulated mixture.

Specific Gravity: 1.15-1.25

pH: 2..00-4.00

Flammable Limits (approximate volume % in air): Not applicable

Auto-ignition Temperature: Not applicable

Decomposition temperature: No information found

10. Stability and Reactivity

Reactivity: No information found

Chemical Stability: Stable

Hazardous Decomposition Products: Product may release ammonia and carbon dioxide under fire conditions.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid high temperatures above 105 Degrees F., or greater acid contamination.

Incompatible Materials: Avoid mixing or intimate contact with strongly acidic materials.

11. Toxicological Information

Acute Toxicity (Oral LD50): No information found

Acute Toxicity (Dermal LD50): No information found

Acute Toxicity Inhalation LC50: No information found

Likely Routes of Exposure: Skin, eyes, inhalation

Skin Irritation: Prolonged or repeated contact may irritate slightly.

Eye Irritation: Liquid contact may irritate slightly. If mist is formed, it may also irritate slightly.

Skin Sensitization: No information found

Carcinogenic: Not listed by IARC, NTP or OSHA.

Chronic Effects: None currently known.

Other Hazards: None currently known.

12. Ecological Information

Eco-toxicity: No information found

Persistence and Degradability: No information found

Bio-accumulative Potential: No information found

Mobility in Soil: No information found

Other Adverse Effects: May promote eutrophication in waterways if large spills occur.

13. Disposal Considerations

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name: Not regulated by DOT, IATA or IMDG.

Transport Hazard Class: Not designated as a dangerous substance.

UN Identification Number: None

Packaging Group: None

Environmental Hazards: No information found

Transport in Bulk: No information found

Special Precautions for Transportation: No information found

Freight Classification: Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information

National Fire Protection Association Rating:

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)



S.A.R.A Title III Hazard Classification (Yes/No): N

Immediate (Acute) Health: Y

Delayed (Chronic) Health: N

Sudden Release of Pressure: N

Fire: N

Reactive: N

16. Other Information

Date of Preparation/Revision: June 11,2024

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End of SDS