



Safety Data Sheet

Report Date 24-Apr-20

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1. Identification

Product Name : AXILO BMZ RTU
Synonyms : None
Product Use : Ready to Use Micronutrients
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye irritation.
Acute Toxicity Oral : Harmful if swallowed.
Acute Toxicity Dermal : May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity-4/5/4; Eye/Skin Irritation-2A/ 2

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Harmful if inhaled
Causes serious eye irritation
Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of plant nutrients derived from Boric Acid, Manganese EDTA, Sodium Molybdate and Zinc EDTA.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Boron (B):		0.09%
Manganese (Mn):		0.50%
Molybdenum (Mo):		0.05%
Zinc (Zn):		1.00%

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Treatment should be directed toward control of the symptoms and the clinical condition of the patient.



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5. Fire Fighting Measures

- Extinguishing Media** : Use extinguishing media suitable for underlying cause of fire. Foam, carbon dioxide and water spray are recommended.
- Specific Hazards Arising from the Chemical** : May release nitrogen oxides and carbon monoxide under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent product spillage from entering drinking water supplies, lakes, streams, ponds or drains.
- Methods and Materials for Containment and Cleanup** : Collect spilled liquid or absorb onto inert absorbent material, then place in suitable containers for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Keep locked up and out of reach of children. Contains BORON. Boron is recommended for all crops where Boron may be deficient; however, excessive application to susceptible crops may cause damage. Contains MOLYBDENUM. Plants containing excess amounts of Molybdenum are toxic to grazing ruminant animals.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV/PEL for mixture.
- Appropriate Engineering Controls** : Good general ventilation should be used.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear, blue liquid.
- Flash Point, °F** : Not flammable
- Boiling Point, °F** : >200 Degrees F.
- Melting Point(Freezing point), °C** : <30 Degrees F.
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.047-1.067 (8.81 lbs/gal)
- Evaporation Rate(Butyl Acetate = 1)** : Not determined



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Octanol/Water Partition Coefficient : No information found
pH : 3.2 to 4.2
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 : In case of fire, emits nitrogen oxides and carbon monoxide.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid heating to high temperatures (250 Degrees C. to 300 Degrees C.).
Incompatible Materials : May release hydrogen in contact with copper and aluminum.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 data available. Harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No data available. Harmful if inhaled.
Likely Routes of Exposure : Skin, eyes, ingestion, inhalation
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : No information found
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : None currently known.
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

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 : None
UN Identification Number : None
Packaging Group : None



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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: 2 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) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 24-April-2020