



# Safety Data Sheet

## Biomin<sup>®</sup> Starter

### SECTION 1: Product and Company Identification

Safergro Laboratories, Inc.  
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[info@safergro.com](mailto:info@safergro.com)

Product name: Biomin<sup>®</sup> Starter  
Product code: 0307 / 751020  
Product use: Plant fertilizer  
Product type: Liquid

24-Hour Emergency tel: (800) 633-8253 (U.S. & Canada)  
(801) 629-0667 (International)

### SECTION 2: Hazards Identification

Signal word: None  
Label element: None  
Hazard statement: Not hazardous  
Precautionary statement: Do not swallow.  
First Aid: If swallowed: Seek medical attention. Rinse mouth.  
Storage & Disposal: Store in a safe manner. Dispose product/container in accordance with federal, state, and local regulations.

### SECTION 3: Composition/Information on Ingredients

Component	CAS No.	%	Component	CAS No.	%
Copper sulfate	7758-99-8	n/a	Sodium borate	12280-03-4	n/a
Ferrous sulfate	7720-78-7	n/a	Zinc Sulfate	7446-19-7	n/a
Magnesium sulfate	7487-88-9	n/a	Hydrolyzed vegetable protein	68607-88-5	n/a
Manganese sulfate	10034-96-5	n/a			n/a

The specific identity and/or exact percentage of composition is not provided because it is a trade secret. Product is not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

### SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.  
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.  
Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.  
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

### SECTION 5: Firefighting Measures

**Suitable extinguishing media:** Water spray, dry chemical, carbon dioxide, foam  
**Special hazards arising from the substance or mixture:** None  
**Protection for firefighters:** Wear protective clothing and equipment

### SECTION 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing, gloves, and safety eye goggles.

**Environmental precautions**  
Avoid discharge into environment

**Methods and material for containment and cleaning up**  
Contain all spills and leaks to prevent discharge into the environment. Use appropriate tools to transfer spill material to proper disposal container. Or recover material and use it for its intended purpose.

### SECTION 7: Handling and Storage

**Precautions for safe handling**  
Avoid overheating or freezing

**Conditions for safe storage, including any incompatibilities**  
Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

### SECTION 8: Exposure Controls/Personal Protection

**Exposure controls**  
Product has no occupational exposure limits. Avoid inhaling dusts or vapors. Practice good industrial hygiene and safety.

**Personal protection**  
Eye protection: Eye protection is not required. To avoid contact with eyes, use safety eye goggles.  
Skin protection: Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.  
Respiratory protection: Not required. Wear approved respiratory equipment if necessary.



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### SECTION 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Light to dark brown liquid	<b>Vapor pressure</b>	Not applicable
<b>Odor</b>	Slight odor	<b>Vapor density</b>	Not applicable
<b>pH</b>	3 – 5	<b>Relative density</b>	1.21 g/ml
<b>Physical state</b>	Liquid	<b>Solubility</b>	Soluble in water
<b>Melting point / Freezing point</b>	0°C / 32°F	<b>Partition coefficient</b>	Not applicable
<b>Boiling point</b>	100°C / 212°F	<b>Auto-ignition temperature</b>	Not applicable
<b>Flash point</b>	Not applicable	<b>Decomposition temperature</b>	Not applicable
<b>Evaporation rate</b>	Not applicable	<b>Viscosity</b>	Not viscous
<b>Flammability</b>	Non-flammable	<b>Explosive properties</b>	Non-explosive
<b>Explosive limits</b>	Not applicable	<b>Oxidizing properties</b>	Non-oxidizer

### SECTION 10: Stability and Reactivity

**Reactivity:** None

**Chemical stability:** Product is stable.

**Possibility of hazardous reactions:** Under normal conditions, hazardous reaction will not occur.

**Conditions to avoid:** Avoid heat

**Incompatible materials:** High pH chemicals

**Hazardous decomposition products:** No known hazardous decomposition products.

### SECTION 11: Toxicological Information

#### Information on toxicological effects

<b>Acute toxicity</b>	May be harmful if swallowed	<b>Dose toxicity</b>	Not known to be toxic
<b>Irritation</b>	May cause irritation	<b>Carcinogenicity</b>	Not known to be carcinogenic
<b>Corrosivity</b>	Not known to be corrosive	<b>Mutagenicity</b>	Not known to be mutagenic
<b>Sensitization</b>	Not known to cause sensitization	<b>Reproductive toxicity</b>	Not known to cause reproductive harm

### SECTION 12: Ecological Information

**Ecotoxicity:** Not hazardous.

**Persistence and degradability:** Degradable

**Bioaccumulative potential:** Not available

**Mobility in soil:** Soluble in water and may disperse in soil.

### SECTION 13: Disposal Considerations

#### Waste treatment methods

Not hazardous waste. Dispose of product in accordance with regulations.

### SECTION 14: Transport Information

**DOT:** Not dangerous goods

**IATA:** Not dangerous goods

**IMDG:** Not dangerous goods

### SECTION 15: Regulatory Information

#### CERCLA

This product contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Copper sulfate (CAS # 7758-99-8)

Ferrous sulfate (CAS# 7720-78-7)

Manganese sulfate (CAS# 10034-96-5)

Zinc sulfate (CAS # 7446-19-7)

#### California Prop 65

This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### SARA 311/312 Hazards

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No



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### SARA 313

Copper sulfate (CAS # 7758-99-8) is subject to reporting levels established by SARA Title III, Section 313.

Manganese sulfate (CAS# 10034-96-5) is subject to reporting levels established by SARA Title III, Section 313.

Zinc sulfate (CAS # 7446-19-7) is subject to reporting levels established by SARA Title III, Section 313

### Subject to "Right-To-Know" legislation in the following states

This product contains one or more substances subject to Right To Know.

#### Massachusetts:

Copper sulfate (CAS # 7758-99-8)

Magnesium sulfate (CAS# 7487-88-9)

Zinc sulfate (CAS # 7446-19-7)

#### New Jersey:

Copper sulfate (CAS# 7758-99-8)

Magnesium sulfate (CAS# 7487-88-9)

Manganese sulfate (CAS# 10034-96-5)

Zinc sulfate (CAS # 7446-19-7)

#### Pennsylvania:

Copper sulfate (CAS# 7758-99-8)

Magnesium sulfate (CAS# 7487-88-9)

Manganese sulfate (CAS# 10034-96-5)

Zinc sulfate (CAS # 7446-19-7)

<b>SECTION 16: Other Information</b>
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