



Safety Data Sheet

Biomin[®] Excel 2-0-2

SECTION 1: Product and Company Identification

Product name: Biomin[®] Excel 2-0-2
Product code: 0350
Product use: Plant fertilizer
Product type: Liquid

Manufacturer: JH Biotech, Inc.,
4951 Olivas Park Drive, Ventura, CA 93030
Tel: (805)650-8933 Fax: (805)650-8942
info@jhbiotech.com

Emergency telephone: (800)428-3493 (within the United States)
(805)650-8933 (outside the United States)

SECTION 2: Hazards Identification

Contact with eyes or skin may cause irritation. May be harmful if swallowed.

SECTION 3: Composition/Information on Ingredients

| Component | CAS No. |
|-------------------|------------|
| Potassium sulfate | 7778-80-5 |
| Calcium sulfate | 7778-18-9 |
| Calcium gluconate | 299-28-5 |
| Magnesium sulfate | 7487-88-9 |
| Manganese sulfate | 7785-87-7 |
| Zinc sulfate | 7733-02-0 |
| Sodium borate | 12280-02-0 |
| Glycine | 56-40-6 |

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



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Special hazards arising from the substance or mixture

Not available

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

Not available

Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. Use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

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.

Specific end use(s)

Not available

SECTION 8: Exposure Controls/Personal Protection

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

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|------------------------------|-------------------|
| Appearance | Dark brown liquid |
| Odor | No offensive odor |
| pH | Not available |
| Melting point/freezing point | Not available |
| Boiling point | 100°C/212°F |
| Flash point | Not available |



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| | |
|---------------------------|------------------|
| Evaporation rate | Not available |
| Flammability | Not available |
| Explosive limits | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Relative density | 1.21 g/cc |
| Solubility | Soluble in water |
| Partition coefficient | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Explosive properties | Non explosive |
| Oxidizing properties | Not available |

SECTION 10: Stability and Reactivity

Reactivity

Not available

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

| | |
|------------------------|---------------|
| Acute toxicity: | Not available |
| Irritation: | Not available |
| Corrosivity: | Not available |
| Sensitization: | Not available |
| Dose toxicity: | Not available |
| Carcinogenicity: | Not available |
| Mutagenicity: | Not available |
| Reproductive toxicity: | Not available |



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SECTION 12: Ecological Information

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

SECTION 13: Disposal Considerations

Waste treatment methods

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

SECTION 14: Transport Information

UN number: Not available

UN proper shipping name: Not available

Transport hazard class(es): Not available

Packing group: Not available

Environmental hazards: Not available

Special precautions for user: Not available

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the product

Not available

SECTION 16: Other Information

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