



# Safety Data Sheet

## Biomate<sup>®</sup>

### SECTION 1: Product and Company Identification

Product name: Biomate<sup>®</sup>  
Product code: 0121  
Product use: Plant fertilizer  
Product type: Solid, powder

Manufacturer: JH Biotech, Inc.,  
4951 Olivas Park Drive, Ventura, CA 93030  
Tel: (805)650-8933 Fax: (805)650-8942  
[info@jhbiotech.com](mailto: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. Inhalation of dust may cause nose, throat, or respiratory irritation.

### SECTION 3: Composition/Information on Ingredients

Component	CAS No.
Humic acid, leonardite	1415-93-6
Calcium carbonate	1317-65-3
Ferrous sulfate	7720-78-7
Magnesium sulfate	7487-88-9

### 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

Not available

#### Protection for firefighters

Wear protective clothing and equipment



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### 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. If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

#### Reference to other sections

Not available

### 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	Black powder
Odor	No odor
pH	Not available
Melting point/freezing point	Not available
Boiling point	100 <sup>o</sup> C/212 <sup>o</sup> F
Flash point	Not available
Evaporation rate	Not available
Flammability	Not available



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Explosive limits	Not available
Vapor pressure	Not available
Vapor density	Estimated lighter than air
Relative density	1 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

Low pH chemicals

#### Hazardous decomposition products

Not available

### 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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