



Safety Data Sheet

Humax[®] 80

SECTION 1: Product and Company Identification

Product name: Humax[®] 80
Product code: 0113
Product use: Use of the product as plant and soil amendment, soil conditioner.
Product type: Solid, powder

Company: JH Biotech, Inc.,
4951 Olivas Park Drive, Ventura, CA 93003
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 may cause irritation. Inhalation of dust may cause nose, throat, or respiratory irritation. May be harmful if swallowed.

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

Emergency overview: Contains silica crystalline. Chronic exposure over the PEL may result in silicosis or other respiratory ailments.

Nuisance dust: As with all dusts, avoid high concentrations.

SECTION 3: Composition/Information on Ingredients

| Component | CAS No. | % by weight |
|----------------------------|-------------|-------------|
| Humic acid, potassium salt | 68514-28-3 | 90-94% |
| Water | 7732-18-5 | 6-10% |
| Silica crystalline | 014808-60-7 | < 0.50% |

SECTION 4: First Aid Measures

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

SECTION 5: Firefighting Measures

Extinguishing media

Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer's recommended techniques.



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Improper extinguishing media

Avoid water in straight hose stream, will scatter and spread fire.

Protection for firefighters

Wear protective clothing and equipment. Use supplied breathing air

Fire and explosion hazards

Flammable solids may provide conditions for a dust explosion.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use protective equipment, clothing, gloves, and safety eye goggles.

Environmental precautions

Avoid infiltration of large quantities into drains, surface water, groundwater and soil.

Methods and material for containment and cleaning up

Provide ventilation and contain spill. Mechanically collect and remove spilled material. Area may be washed with water.

SECTION 7: Handling and Storage

Precautions for safe handling

Avoid overheating or freezing. Minimize dust generation and accumulation. Ensure adequate ventilation

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

OSHA PELV

0.05 mg/M3 NiOSH for crystalline silica. 0.5 mg/M3 for nuisance dust and 5 mg/M3 (respirable)(dust as PNOR)

Exposure controls

Sufficient ventilation is recommended to keep dust levels below the PEL.

Eye protection:

Eye goggle is recommended.

Skin protection:

Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.

Respiratory protection:

Full respiratory protection program recommended. NIOSH approved dust mask recommended.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|------------|-------------------------------|
| Appearance | Black powder with slight odor |
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| | |
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| Odor | No odor |
| pH | 8.5 |
| Melting point/freezing point | >130 C / not available |
| Boiling point | Not available |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability | Not available |
| Explosive limits | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Relative density | 0.55 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

In common with many other organic chemicals, the product may in certain circumstances form flammable dust clouds in air.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Typical combustion products

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity: Not available

Irritation: Not available

Corrosiveness: Not available



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| | |
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| Sensitization: | Not available |
| Dose toxicity: | Not available |
| Carcinogenicity: | IARC lists inhaled crystalline silica/quartz from occupational sources as group I: carcinogenic to humans. |
| Mutagenicity: | Not available |
| Reproductive toxicity: | Not available |

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

| | |
|--------------------------------|-----------------|
| Shipping name – DOT: | Coal – class 50 |
| Hazard class – DOT: | Not restricted |
| UN Number: | Not restricted |
| Harmonized tariff code for US: | 2702.10.1000 |
| Hazard class – IATA: | Not restricted |

SECTION 15: Regulatory Information

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

Not available

SECTION 16: Other Information

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