



Safety Data Sheet

Humax[®] 60

SECTION 1: Product and Company Identification

Product name: Humax[®] 60
Product code: 0139 / 021002
Product use: Soil & Plant Amendment / Soil Conditioner
Product type: Solid / powder / granule
Manufacturer: JH Biotech, Inc.
4951 Olivas Park Drive, Ventura, CA 93003
Tel: (805) 650-8933 Fax: (805) 650-8942
info@jhbiotech.com
24-Hour Emergency tel: (800) 633-8253 (United States & Canada) (801) 629-0667 (International)

SECTION 2: Hazards Identification

Signal word: Warning
Label element:



Hazard statement: Harmful if swallowed.
Precautionary statement: Do not swallow. Avoid contact with eyes.
First Aid: If swallowed: Seek medical attention. Rinse mouth. If in eyes: Remove contact lenses if present. Wash thoroughly with water for several minutes.
Storage & Disposal: Store in a safe manner and away from incompatible materials. Dispose product/container in accordance with federal, state, and local regulations.
HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

SECTION 3: Composition/Information on Ingredients

Component	CAS No.	%
Humic acid, leonardite	1415-93-6	90-94%
Silica crystalline	014808-60-7	< 0.50%

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

None

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.



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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.

	OSHA PEL (8 hr TWA)	NIOSH REL (10 hr TWA)	ACGIH Threshold Limit Value (8 hr TWA)
Silica crystalline	$\frac{10 \text{ mg/m}^3}{(\% \text{ SiO}_2 + 2)}$	0.05 mg/m ³	n/a
Nuisance dust (total)	15 mg/m ³	n/a	n/a
Nuisance dust (resp)	5 mg/m ³	n/a	n/a

Personal protection

Eye protection: Eye protection is recommended. 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.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Black powder	Vapor pressure	Not applicable
Odor	Slight odor	Vapor density	Not applicable
pH (1 in 20)	8 – 9	Relative density	0.6 g/ml
Physical state	Solid	Solubility	15 grams / 100 ml water
Melting point / Freezing point	Not available	Partition coefficient	Not applicable
Boiling point	Not applicable	Auto-ignition temperature	Not applicable
Flash point	Not applicable	Decomposition temperature	Not applicable
Evaporation rate	Not applicable	Viscosity	Not viscous
Flammability	Non-flammable	Explosive properties	Non-explosive
Explosive limits	Not applicable	Oxidizing properties	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

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

Incompatible materials

Strong oxidizing agent. Products with pH 5 or lower. Calcium products.

Hazardous decomposition products

Typical combustion products

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity: Harmful if swallowed
Irritation: Causes eye and skin irritation



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Corrosivity:	Not known to be corrosive
Sensitization:	Not known to cause sensitization
Dose toxicity:	Not known to be toxic
Carcinogenicity:	IARC lists inhaled crystalline silica/quartz from occupational sources as group I: carcinogenic to humans.
Mutagenicity:	Not known to be mutagenic
Reproductive toxicity:	Not known to cause reproductive harm

SECTION 12: Ecological Information

Ecotoxicity

Not hazardous

Persistence and degradability

Not available

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 federal, state, and local regulations. Consult with qualified representative for proper disposal or treatment.

SECTION 14: Transport Information

DOT

UN number:	Not restricted
UN proper shipping name:	Coal – class 50
Transport hazard class(es):	Not restricted
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable
Harmonized tariff code for US:	2702.10.1000

IATA

UN number:	Not restricted
UN proper shipping name:	Coal – class 50
Transport hazard class(es):	Not restricted
Packing group:	Not applicable

IMDG

UN number:	Not restricted
UN proper shipping name:	Coal – class 50
Transport hazard class(es):	Not restricted
Packing group:	Not applicable
Marine pollutant:	Not applicable

SECTION 15: Regulatory Information

CERCLA

This product does not contain any substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

SARA 311/312 Hazards

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA 313

This product does not contain any material that is subject to reporting levels established by SARA Title III, Section 313.



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California Prop 65

This product does contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Silica crystalline (CAS# 014808-60-7) is the chemical substance.

Not Subject to "Right-To-Know" legislation in the following states

Massachusetts, Minnesota, New Jersey, Pennsylvania

SECTION 16: Other Information

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