



Safety Data Sheet

MinStar

SECTION 1: Product and Company Identification

Product name: MinStar
Product code: 293013
Product use: Animal feed additive / Animal dietary supplement
Product type: Solid, powder, granule, or similar
Manufacturer: JH Biotech, Inc.
4951 Olivas Park Drive, Ventura, CA 93003
Tel: (805) 650-8933 Fax: (805) 650-8942
info@jhbiotech.com
Emergency phone: INFOTRAC (24-Hour) 1-800-535-5053 (North America) 1-352-323-3500 (International)

SECTION 2: Hazards Identification

Signal word: None
Label element: None
Hazard statement: None. Not hazardous
Precautionary statement: None
First Aid: If inhaled: Remove from source of exposure. If in eyes: Remove contact lenses if present. Wash thoroughly with water for several minutes.
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.	%
Dried <i>Aspergillus oryzae</i> fermentation substance	n/a	n/a
Whey protein	n/a	n/a
Zinc methionine complex	n/a	n/a
Manganese methionine complex	n/a	n/a
Copper methionine complex	n/a	n/a
Cobalt methionine complex	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

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. Store away from incompatible materials.

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)
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 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.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Not applicable	Vapor pressure	Not applicable
Odor	Characteristic odor	Vapor density	Not applicable
pH	Not applicable	Relative density	Not applicable
Physical state	Solid	Solubility	Not applicable
Melting point / Freezing point	>100°C/212°F	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

Avoid heat

Incompatible materials

None

Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity: Not known to be toxic
Irritation: Not known to cause irritation
Corrosivity: Not known to be corrosive
Sensitization: Not known to cause sensitization
Dose toxicity: Not known to be toxic
Carcinogenicity: Not known to be carcinogenic



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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
Not available

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
Not regulated by U.S. DOT as hazardous material.

IATA
Not dangerous goods

IMDG
Not dangerous goods

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).

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

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

Not Subject to "Right-To-Know" legislation in the following states
Massachusetts, New Jersey, Pennsylvania

SECTION 16: Other Information

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