Safety Data Sheet
Buffermin® -SP

SECTION 1: Product and Company Identification

Product name: Buffermin® -SP
Product code: 291015
Product use: Animal feed / Animal dietary supplement
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: 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.	%	Component	CAS No.	%
Calcium amino acid chelate	35947-07-0	n/a	Magnesium amino acid chelate	14783-68-7	n/a
Cobalt amino acid chelate	17829-66-2	n/a	Manganese amino acid chelate	10402-15-0	n/a
Copper amino acid chelate	13479-54-4	n/a	Zinc amino acid chelate	7214-08-6	n/a
Iron amino acid chelate	20150-34-9				

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.

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)
Cobalt dust	0.1 mg/m^3	0.05 mg/m^3	0.02 mg/m^3
Copper dust	1 mg/m^3	1 mg/m^3	1 mg/m^3
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	Off white powder	**Vapor pressure**	Not applicable
Odor	Slight odor	**Vapor density**	Not applicable
pH	Not applicable	**Relative density**	Not applicable
Physical state	Solid	**Solubility**	Not soluble in water
Melting point / Freezing point	0^OC / 32^OF	**Partition coefficient**	Not applicable
Boiling point	$>100^OC/212^OF$	**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
High pH chemicals

Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological Information

Information on toxicological effects
Acute toxicity: Not known to be toxic
Irritation: May cause irritation
Corrosivity: Not known to be corrosive
Sensitization: Not known to cause sensitization
Dose toxicity: Not known to be toxic
Carcinogenicity: This product is not specifically known to be carcinogenic but does contain cobalt. Cobalt and cobalt compounds have been determined by IARC and ACGIH to be possibly carcinogenic.
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
None

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 contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Cobalt substance

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
Zinc compounds are subject to reporting levels established by SARA Title III, Section 313.
Cobalt substances are subject to reporting levels established by SARA Title III, Section 313.

Subject to "Right-To-Know" legislation in the following states
This product contains one or more substances subject to Right To Know.

Massachusetts:	Zinc compounds
New Jersey:	Zinc compounds
Pennsylvania:	Zinc compounds

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.

Cobalt substance

SECTION 16: Other Information

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