

Safety Data Sheet

Section 1: Identification

Product name	Bovine Gamma Globulin Lyophilized Powder
SKU number	51001
Relevant identified uses of the substance or mixture and uses advised against	
Recommended use	Laboratory chemicals, manufacture of substances
Company	Proliant Health & Biologicals 27-33 Kawakawa Road, Feilding, 4775, New Zealand PO Box 366, Feilding, 4740, New Zealand
Emergency telephone number	+64 6 280 4150

Section 2: Hazard Identification

Classification of the substance or mixture	Not a hazardous substance or mixture
Label elements	None required
Hazards not other classified (HNOC)	None known

Section 3: Composition/Information on Ingredients

CAS #9007-83-4 EC #232-706-1	Bovine Gamma Globulin/Bovine γ -Globulin
---------------------------------	---

The product does not contain substances that, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. We recommend handling all chemicals with caution.

Section 4: First Aid Measures

Inhalation	Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
Skin	Rinse with plenty of water. If symptoms arise, get medical attention.
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do NOT induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation (dust): Large quantities may cause sneezing.
Eye contact: May cause irritation.

Notes to physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, regular foam, carbon dioxide or dry chemical
Unsuitable Extinguishing Media	None known
Unusual Fire and Explosion Hazards	As with any organic dust, may be explosive if mixed with air in critical proportions
Advice for firefighters	Wear self-contained breathing apparatus and protective suit

Section 6: Accidental Release Measures

Personal Precautions	Use personnel protection equipment as specified in section 8. Ensure adequate ventilation.
Environmental Precautions	Do not let product enter drains.
Methods / Materials for Containment/Clean-up	Sweep up into suitable containers for recovery or disposal. Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.

Section 7: Handling and Storage

Handling	Ensure adequate ventilation and avoid inhaling dust. Avoid contact with eyes.
Storage	Store in clean, dry area at 2-8 °C temperature.
Incompatible Materials or Ignition Sources	No known material or ignition sources

Section 8: Exposure Controls/Personal Protection

Occupational Exposure	Contains no substances with occupational exposure limit values.
Engineering Measures	Ensure adequate ventilation systems as determined necessary

Personal Protective Equipment

Respiratory	Respiratory protection is not required. If desired use of a NIOSH/MSHA or European Standard EN 149 approved respirators could be used if dust found to be a nuisance.
Eye/Face	Wear appropriate protective eyeglasses or chemical safety goggles as described in OSHA 29 CFR 1910.133 or European Standard EN166.
Skin/Body	Wear appropriate protective gloves and clothing to prevent skin exposure.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste. Do not let product enter drains.

Section 9: Physical and Chemical Properties

Material Description

Physical form	Solid
Appearance	White amorphous flakes
Odor	Neutral
Boiling point/range	No data available
Melting point/range	No data available
pH	6.8-7.2 in 7% water
Evaporation	No data available
Flammability	No data available
Vapor	No data available
Bulk density	No data available
Solubility	Soluble in water
Partition coefficient	No data available
Autoignition	No data available
Oxidizing properties	No data available

Section 10: Stability and Reactivity

Reactivity	None known under conditions of normal use
Chemical stability	Stable under recommended storage temperatures and pressures
Hazardous reactions	None known under conditions of normal use
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	None known under conditions of normal use
Hazardous polymerization	Hazardous polymerization will not occur

Section 11: Toxicological Information

Acute toxicity (Oral/Dermal/Vapor)	No information available
Toxicologically Synergistic Products	No information available
Skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitization	No information available
Mutagenic effects	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as carcinogen

Component	CAS-No	IRAC	NTP	ACGIH	OSHA	Mexico
Bovine γ -Globulin	9007-83-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive effects	No information available
Developmental effects	No information available
Teratogenicity	No information available
STOT – Single/repeated exposure	No information available
Aspiration hazard	No information available
Symptoms/effects, acute/delayed	No information available
Endocrine Disruptor Information	No information available
Additional information	The toxicological properties have not been fully investigated RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Section 12: Ecological Information

Toxicity	No information available
Biodegradation	No information available
Bioaccumulation	No information available
Mobility in soil	No information available
Results of PBT and vPvB Assessment	PBT/vPvB assessment not available as chemical safety assessment not conducted
Other adverse effects	No information available

Section 13: Disposal Considerations

Product waste	Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container to licensed waste disposal site in accordance with local, regional, national, and/or international regulations.

Section 14: Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
Further information	Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information

SARA 302 Components

This product does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting level established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

California Proposition 65

This product does not contain chemicals listed under Proposition 65.

U.S. State Right-to-Know

Component	CAS-No	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bovine γ -Globulin	9007-83-4	-	-	-	-	-

Section 16: Other Information

Date created 13 May, 2023

Date last revised 18 September, 2023

Disclaimer/Statement of Liability

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATION, INDUCEMENT, OR LICENSE OF ANY KIND, EXCEPT THAT IT IS BELIEVED ACCURATE TO THE BEST OF OUR KNOWLEDGE OR OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. PROLIANT INC. DOES NOT ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON SAME. CUSTOMERS ARE ENCOURAGED TO CONDUCT THEIR OWN TESTS.