

## SAFETY DATA SHEET

### Section 1: Identification

**Product Name** Bovine Serum Albumin Standard Grade pH 5.2 Lyophilized Powder  
**SKU No.** 68500  
**Relevant identified uses of the substance or mixture and uses advised against**  
**Recommended use** Laboratory chemicals, manufacture of substances  
**Company** Proliant Biologicals  
2020 Lakewood Drive  
Boone, IA 50036  
**Emergency telephone number** (515) 432-8184

### 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# 9048-46-8 Bovine Serum Albumin

The product does not contain substances, which at their given concentration, are considered to be hazardous to health. 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

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

### Section 6 - Accidental Release Measures

<b>Personal Precautions</b>	Use personnel protection equipment as specified in section 8. Ensure adequate ventilation.
<b>Environmental Precautions</b>	Do not let product enter drains.
<b>Methods / Materials for Containment/Clean-up</b>	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

<b>Handling</b>	Ensure adequate ventilation and avoid inhaling dust. Avoid contact with eyes.
<b>Storage</b>	Store in clean, dry area at ambient temperature.
<b>Incompatible Materials or Ignition Sources</b>	No known material or ignition sources.

### Section 8 - Exposure Controls/Personal Protection

<b>Occupational Exposure</b>	Contains no substances with occupational exposure limit values.
<b>Engineering Measures</b>	Ensure adequate ventilation systems as determined necessary
<b>Personal Protective Equipment</b>	
<b>Respiratory</b>	Respiratory protection is not required. If desired use of a NIOSH/MSHA or European Standard EN 149 approved respirator could be used if dust found to be a nuisance.
<b>Eye/Face</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described in OSHA 29 CFR 1910.133 or European Standard EN166.

<b>Skin/Body</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental Exposure Controls</b>	Follow best practice for site management and disposal of waste. Do not let product enter drains.

**Section 9 - Physical and Chemical Properties**

**Material Description**

<b>Physical Form</b>	Solid
<b>Appearance</b>	White to yellow with tan to green cast lyophilized power
<b>Odor</b>	Neutral
<b>Boiling Point/Range</b>	No data available
<b>Melting Point/Range</b>	No data available
<b>pH</b>	6.5 to 7.5 in 10% water
<b>Evaporation</b>	No data available
<b>Flammability</b>	No data available
<b>Vapor</b>	No data available
<b>Bulk Density</b>	No data available
<b>Solubility</b>	Soluble in water
<b>Partition coefficient</b>	No data available
<b>Autoignition</b>	No data available
<b>Oxidizing Properties</b>	No data available

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	None known under conditions of normal use.
<b>Chemical Stability</b>	Stable under normal temperatures and pressures
<b>Hazardous Reactions</b>	None known under conditions of normal use.
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	None known under conditions of normal use
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

**Section 11 - Toxicological Information**

<b>Target Organs</b>	No specific data is available
<b>Entry/Exposure</b>	
Inhalation	No specific data is available
Skin	No specific data is available
Eye	No specific data is available.
Ingestion	No specific data is available.

## Section 12 - Ecological Information

<b>Toxicity</b>	No information available
<b>Biodegradation</b>	No information available
<b>Bioaccumulation</b>	No information available
<b>Mobility in Soil</b>	No information available

## Section 13 - Disposal Considerations

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

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	None
Subsidiary Class	None
Packing Group	None
UN-No	None

## Section 15 - Regulatory Information

### SARA Hazard Classifications

This product is not regulated by SARA.

### 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.

## Section 16 - Other Information

<b>Date Created:</b>	June 5, 2015
<b>Date Last Revised:</b>	July 22, 2015

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