

# Material Safety Data Sheet

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## Section 1: Chemical Product and Company Identification

Date Prepared: 12/02/2008  
Product: **Protein A**  
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.  
9025 Technology Drive  
Fishers, Indiana 46038

## Section 2: Composition / Information on Ingredients

Protein A from *Staphylococcus aureus*

## Section 3: Hazard Identification

May be harmful by inhalation, ingestion, or skin absorption. Causes eye irritation. May cause skin irritation.

Threshold Limit Value (TLV/TWA): not established  
Toxicity Information: essentially inert; no toxic or ill effects known at normal operating conditions  
Signs/Symptoms of Exposure: The product might be sensitizing to persons disposed for allergy. In case the product is inhaled or ingested, it may cause irritation and/or immunological reactions.  
Medical Conditions Aggravated by Exposure: unknown

## Section 4: First Aid Measures

Contact: Flush with water for at least 15 minutes.  
Ingestion: Wash mouth out with water. Call a physician.  
Inhalation: Remove to fresh air. Call a physician if breathing becomes difficult.

## Section 5: Fire-Fighting Measures

Extinguishing Media: water, carbon dioxide, or dry chemical  
Special Firefighting Procedures: none  
Unusual Fire & Explosion Hazards: none

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

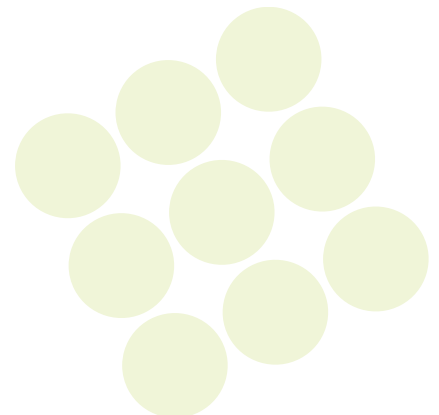
*Wear suitable protective clothing. Wipe up and place in a container for disposal. For small quantities, flush with water. For large quantities, incinerate in a furnace equipped with an afterburner and scrubber. Observe all federal, state, and local laws.*

## Section 7: Handling and Storage

Wear appropriate NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles, and other protective clothing.

## Section 8: Exposure Controls and Personal Protection

Respiratory Protection: face mask (when handling large quantities)  
Mechanical Exhaust: normal dust protection equipment  
Eye Protection: safety goggles  
Protective Gloves: rubber or plastic  
Other Protective Clothing or Equipment: none  
Wash / Hygienic Practices: avoid contact with eyes, skin, and clothes



### **Section 9: Physical and Chemical Properties**

Boiling Point:	n/a
Melting Point:	n/a
Specific Gravity:	unknown
Solubility:	30%
Appearance & Odor:	white powder; no odor

### **Section 10: Stability and Reactivity**

Stability:	stable
Incompatibilities:	strong oxidizing agents
Hazardous Combustion or Decomposition Products:	oxides of carbon, nitrogen, and sulfur
Hazardous Polymerization:	will not occur

### **Section 11: Toxicological Information**

no data

### **Section 12: Ecological Information**

no data

### **Section 13: Disposal Considerations**

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

### **Section 14: Transport Information**

no data

### **Section 15: Regulatory Information**

no data

### **Section 16: Other Information**

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**END OF MSDS**

