

Section 1. Product and Company Identification

**Product Name** Lysozyme  
**CAS Number** 9001-63-2

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

Skin Irritant Category 2  
Eye Irritant Category 2B  
Respiratory Sensitizer Category 1  
Specific Target Organ Toxicant- Single Exposure (Respiratory Irritant) Category 3

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Hazards Statements:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause skin and eye irritation.

**Precautionary Statements:** Avoid breathing dust/mist/vapor/spray. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Avoid contact with skin, eyes, and clothing. Wear protective gloves and safety glasses with side shields. Ensure regular cleaning of equipment, work area, and clothing. Do not ingest.

Section 3. Composition / Information on Ingredients

**Common Name** Lysozyme  
**CAS Number** 9001-63-2

COMPONENT	CAS NUMBER	CONCENTRATION
Lysozyme	9001-63-2	94 - 100%



Section 4. First Aid Measures

**Inhalation:** If inhaled remove from contaminated area to fresh air. Report the situation. Seek medical attention if allergic response is exhibited.

**Eye Contact:** In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.

**Skin Contact:** In case of contact with skin, wash skin with soap and cold water. Remove contaminated clothing and wash.

**Ingestion:** If swallowed, rinse mouth and throat thoroughly with ta water. Drink water.

Section 5. Firefighting Measures

**Suitable Extinguishing Media:** Standard procedure for chemical fires. Foam. Water.

**Non-Suitable Extinguishing Media:** None

**Specific Exposure Hazards:** None

**Protective Equipment:** No special requirements

Section 6. Accidental Release Measures

**Personal precautions, emergency procedures:** Use only with adequate ventilation/personal protection. Avoid breathing dust or spray mist. Avoid formation of dust and aerosols. (See section 8).

**Containment Methods:** Prevent further leakage or spillage if safe to do so.

**Cleanup Procedures:** Contain and remove spilled product by mechanical means or with a vacuum cleaner equipped with a high efficiency filter. A void formation of aerosol.

Section 7. Handling and Storage

**Safe Handling:** Never handle powder without appropriate personal protective equipment in accordance with Section 8. Avoid formation of dust. Avoid splashing and high pressure washing. Ensure good ventilation of the room when handling this product.

**Storage:** Keep container tightly closed in a cool, dry, well ventilated lace.

Section 8. Exposure Controls / Personal Protection

**Appropriate Engineering Controls:** Adequate ventilation required for dusty conditions

**Eye/Face Protection:** Wear protective glasses or eye shield

**Skin Protection:** Impermeable gloves recommended

**Respiratory Protection:** Use NIOSH approved respiratory protection such as full face mask



Section 9. Physical and Chemical Properties

**Appearance:** White to Tan powder  
**Odor:** Characteristic enzyme odor  
**Odor Threshold:** Not available  
**pH:** Not available  
**Melting point/freezing point:** Not available  
**Initial boiling point and boiling range:** Not available  
**Flash point:** Not available  
**Evaporation rate:** Not available  
**Flammability (solid, gas):** Not available  
**Upper/lower flammability or explosive limits:** Not available  
**Vapor Pressure:** Not available  
**Vapor Density:** Not available  
**Relative Density:** Not available  
**Solubility:** Soluble  
**Partition coefficient (n-octanol/water):** Not available  
**Auto-ignition temperature:** Not available  
**Decomposition temperature:** Not available  
**Viscosity:** Not available

Section 10. Stability and Reactivity

**Reactivity:** Not available  
**Chemical Stability:** Stable under normal storage conditions  
**Hazardous reactions:** Not available  
**Conditions to avoid:** Not available  
**Incompatible materials:** Not available  
**Hazardous Decomposition Products:** Not available

Section 11. Toxicological Information

**Routes of Exposure:** Eye contact, skin contact, ingestion, inhalation

**Symptoms**

**Immediate:** Can cause irritation to the eyes, skin, mucus membranes, and the upper respiratory tract

**Delayed:** Chronic inhalation exposure may lead to allergic sensitization based on exposure level, duration, and susceptibility

**Acute toxicity:** Not available

**Eye Irritation:** May cause minor irritation

**Skin Irritation:** May cause minor irritation

**Respiratory Irritation:** May cause minor irritation



**Sensitization towards product:** Inhalation of enzyme mist/dust may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure

**Germ cell mutagenicity:** Not available

**Reproductive toxicity:** Not expected to produce reproductive toxicity

**Carcinogenicity:** Not classified as a carcinogen by IARC, OSHA, or NTP

#### Section 12. Ecological Information

**Ecotoxicity:** Not available

**Persistence and degradability:** Product is readily biodegradable

**Bioaccumulative potential:** Not available

**Mobility in soil:** Not available

**Other adverse effects:** Not available

#### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

#### Section 14. Transport Information

**Harmonized Tariff Code:** 3507.90.7000 (for Enzymes)

**UN Number:** Not classified

**UN Proper Shipping Name:** Not classified

**Transportation Hazard Class:** Not classified

**Packing Group:** Not classified

**Transport Environmental Hazard:** Not classified

**Transport Special Precautions:** Not classified

**MAR POL:** Not classified

#### Section 15. Regulatory Information

All components of this product are listed or exempt from listing on the TSCA Inventory.

#### Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 3/23/2016