

Section 1. Product and Company Identification

Product Name Alkaline Protease R

Parchem - fine & specialty chemicals

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New Rochelle, NY 10801

(914) 654-6800 **(914) 654-6899**

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EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Hazard Class: Skin Irritant Category 3

Eye Irritant Category 2B

Respiratory Sensitizer

GHS Label Elements

Pictograms:



Signal word: WARNING!

Hazard and precautionary statements

Hazard Statement: May cause mild eye irritation. May cause mild skin irritation. Inhalation of enzyme mist may cause allergic reactions, including asthmatic bronchitis, in susceptible individuals. Do not inhale. Do not get on skin or clothing. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Do not ingest.

Section 3. Composition / Information on Ingredients

Common Name Alkaline Protease R

COMPONENT	CAS NUMBER	CONCENTRATION
Protease	9014-01-1	5.5 – 6.2% wt.
Propylene Glycol	57-55-6	35.0 – 45.0% wt.
Water	7732-18-5	Remainder



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 water. Remove contaminated clothing and wash.

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

Section 5. Firefighting Measures

Fire Fighting Extinguishing Media: Water, foam, dry chemical, carbon dioxide

Fire Fighting Chemical Hazards: May cause allergic respiratory reaction

Fire Fighting Protective Actions: Not Available

Section 6. Accidental Release Measures

For non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear respirator when necessary and appropriate protective equipment. (See section 8).

For Emergency Personnel: Fire Fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

Environmental Precautions: Avoid dispersal of spilled material.

Containment: Spilled product should be removed immediately to avoid formation of dust. Vacuum or moisten with water and collect into a sealable container for disposal. Flush spill area with plenty of water (low pressure) into approved sewer. Avoid formation of aerosols and dusts. Ensure sufficient ventilation. Wash contaminated clothing.

Section 7. Handling and Storage

Safe Handling: Never handle liquid 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: Store container in a dry, cool place.

Hygiene: Maintain good conditions of industrial hygiene.

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limits: Not available

Biological Limit Values: Not Available

Appropriate Engineering Controls: Adequate ventilation required for dusty conditions.

Eye/Face Protective Equipment: Wear protective glasses or eye shield.



Skin Protection: Impermeable gloves recommended.

Respiratory PROTECTION: None required under usual condition of use. However, if exposure potential exists, refer to NIOSH Criteria Guides to determine appropriate unit.

Section 9. Physical and Chemical Properties

Appearance: Brown Liquid

Odor: Characteristic enzyme odor

Odor Threshold: Not available

pH: 5.2 - 5.4

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: Not available

Partition Coefficient (n-Octanol/Water): Not available

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Viscosity: Not available

Section 10. Stability and Reactivity

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

Acute Toxicity: Not available

Skin Corrosion/Irritation: Product is not a sensitizer

Serious Eye Damage/Irritation: Eye Irritant Category 2B

Respiratory or Skin Sensitization: Respiratory sensitizer

Germ Cell Mutagenicity: Not expected to induce mutagenic effects

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

Reproductive Toxicity: Not expected to produce reproductive toxicity

Aspiration Hazard: Not available



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

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

MARPOL: Not classified

Section 15. Regulatory Information

The active ingredient and all components of the enzyme preparation are listed 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: 5/27/2015