

## Safety Data Sheet

Form: Powder	
--------------	--

Form: Powde	-	Section 1: Identification				
Product Name:		Protease Alkaline (Bacillus licheniformis)				
Recommended Use:		See Specification Sheet.				
Supplier Infor	mation:	Enzymology Research Center, Inc.				
		332 West Street North				
		Miltona, MN 56354 U.S.A.				
		Phone: 1.218.943.9127 - Fax: 1.218.943.9128				
		info@ercenzymes.com				
Emergency Phone:		Phone: 1.218.943.9127				
Section 2: Hazard Identification						
Hazard Class:		Skin Irritant Category 2				
		Eye Irritant Category 2B				
		Respiratory Sensitizer Category 1				
Signal Word:		Warning.				
C		Avoid the formation of aerosol and dust of the product.				
Hazard Staten	nent:	H315 + H320 - Causes skin and eye irritation.				
		H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
		H335 - May cause respiratory irritation.				
Precautionary Statement: Other Hazards:		<ul> <li>P261 -Avoid breathing dust/vapors/spray.</li> <li>P264 -Wash exposed skin thoroughly after handling.</li> <li>P280 - Wear protective gloves/protective clothing/eye and face protection (see Section 8)</li> <li>P284 - In case of inadequate ventilation, wear respiratory protection.</li> <li>None.</li> </ul>				
		Section 3: Composition/Information on Ingredients				
Name:	Protease Alkaline	<b>CAS Number:</b> 9014-01-1				
Name:	Sodium Sulfate	<b>CAS Number:</b> 7757-82-6				
Name:	Maltodextrin	<b>CAS Number:</b> 9050-36-6				
		Section 4: First Aid Measures				
Inhalation:	If inhaled, remove	e from contaminated area to fresh air. Report 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 20 minutes. If irritation				
	develops, seek medical attention.					
Skin Contact:	In case of contact	e of contact with skin, wash skin with soap and water. Remove contaminated clothing & wash.				
Ingestion:	If swallowed, rinse	swallowed, rinse mouth and throat thoroughly with tap water. Drink water.				
		Section 5: Fire Fighting Measures				
Flash Point:		Not available.				
Flammable Limits:		Lower: Not available.				
		Upper: Not available.				
Explosive Dust Limits:		Not available.				
Extinguishing Media:		Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding				
		fire and materials.				
		Dage 1 of 2				

Unsuitable Extinguishing Media:	None, except when not appropriate for surrounding fire and material.				
Protection of Firefighters:	Firefighters should use self-contained breathing equipment and full fighting				
	turnout gear.				
Hazardous Combustion Products:	When heated to decomposition, material may emit toxic fumes.				
Hazardous Arising from Product:	Material is assumed to be combustible, therefore as with all the potentially				
	combustible dusts, Class II Division 1 electrical installation is advised for all mechanical				
	equipment the powder will come in contact with to reduce the potential for static				
	electricity buildup. Keep away from sources of ignition, spark and open flames.				
	Provide adequate dust control.				
Section 6: Accidental Release Measures					
Personal Precautions,	Use only with adequate ventilation/personal protection. Avoid breathing dust or				
Emergency Procedures: Containment Methods:	spray mist. Avoid formation of dust and aerosols (See Section 8).				
	Prevent further leakage or spillage if safe to do so.				
Cleanup Procedures:	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 good ventilation. Wash contaminated clothing.				
	Section 7: Handling and Storage				
Safe Handling:	Never handle powder without appropriate personal protective equipment in				
Sale Handling.	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.				
Storage.	Section 8: Exposure Controls / Personal Protection				
Exposure Limit:	Not available.				
Industrial Hygiene:	Maintain good conditions of industrial hygiene. Have eye wash facilities and safety				
industrial Hygiene.	shower immediately available.				
Appropriate Engineering Controls	Adequate ventilation required for dusty conditions.				
Respiratory Protection:	None required under usual conditions of use. However, if exposure potential exists,				
	refer to NIOSH Criteria Guides to determine appropriate unit.				
Hand Protection:	Impermeable gloves recommended.				
Eye Protection:	Wear protective glasses or eye shield.				
	Section 9: Physical and Chemical Properties				
Appearance:	A light brown to brown color.				
Odor:	Characteristic odor.				
Odor Threshold:	Not available.				
Vapor Pressure:	Not available.				
Vapor Density:	Not available.				
pH:	7.0 - 10.0				
Relative Density:	Not available.				
Melting Point/Freezing Point:	Not available.				
Solubility:	Dispersible in water.				
Initial Boiling Point and Boiling Rai					
Flash Point:	Not available.				
Evaporation Rate:	Not available.				
Flammability (Solid, Gas):	Not available.				
Upper/Lower Flammability or Expl					
Partition Coefficient: n-octanol/wa					
Auto-IgnitionTemperature:	Not available.				
Decomposition Temperature:	Not available.				
Viscosity:	Not available.				
	Section 10: Stability and Reactivity				
Reactivity:	Not available.				
Chemical Stability:	Stable under normal storage conditons.				
Hazardous Reactions:	Not available. Page 2 of 3				
	Due due t Ce de 201720 (2.14.10				

Conditions to Incompatible	Materials:	Not available. Not available.			
Hazardous De	ecomposition Products: Sectio	Not available. n 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 or 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.			
F	Secti	ion 12: Ecological Information			
Ecotoxicity:	ad Deere debiliter	Not available.			
	nd Degradability: tive Potential:	Product is readily biodegradable. Not available.			
Mobility in Sc		Not available.			
Other adverse		Not available.			
		on 13: Disposal Considerations			
No special dis		in accordance to all applicable federal, state and local regulations.			
NO Special uis		ion 14: Transport Information			
UN Number:	3600	Not classified.			
	inning Name	Not classified.			
UN Proper Shipping Name: Transporation Hazard Class:		Not classified.			
Packing Group		Not classified.			
Transport Environmental Hazard:		Not classified.			
•	ecial Precautions:	Not classified.			
MARPOL:		Not classified.			
	Section	on 15: Regulatory Information			
The active ingredient and all components of the enzyme preparation are listed on the TSCA Inventory.					
Section 16: Other Information					
Any person who experiences any allergic or sensitive reactions to this powder should refrain from handling it again					

Any person who experiences any allergic or sensitive reactions to this powder should refrain from handling it again.

## GHS 2015 Format

This information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of the company, it is the responsibility of the user to determine the condition of the safe use of this product. The information does not represent analytical specifications. END of SDS