



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 10
Effective Date April 8, 1999

SECTION V HEALTH HAZARD DATA

PP 10

Threshold Limited Value

None established.

Effects of Overexposure

INHALATION: Can cause allergic respiratory reaction. **EYES:** Causes irritation. **SKIN:** Causes irritation. Prolonged or repeated skin contact may result in an allergic skin reaction.

Emergency and First Aid Procedures

INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if any symptoms are present after washing. **SKIN:** Immediately flush with plenty of water for at least 15 minutes and get medical attention if any symptoms are present after washing. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulfur may also be present.
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Hazardous Polymerization	Conditions to Avoid
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Carefully sweep up without producing dust and place spilled material in a suitable container for incineration. Wash spill area with soap and water.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved incinerator equipped with an afterburner and scrubber or if uncontaminated material may be disposed of in a sanitary landfill.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty, work in ventilation hood or wear a standard NIOSH/MSHA-approved particulate respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber if needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Smock, apron, eye wash station, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing materials. Pancreatin may absorb moisture on long-term storage under humidity conditions. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Use with adequate ventilation. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 5	Date	4/8/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	PANCREATIN (POWDER)
Chemical Synonyms	Pancreatic Enzyme Concentrate
Formula	Natural Product. (Not established.)
Unit Size	up to 500 grams
C.A.S. No.	8049-47-6

	CHEMTREC 800-424-9300 Day 716-226-6177	Health	0
		Fire	1
		Reactivity	0
NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		HMIS * 0 1 2 3 4	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Pancreatin (Powder)	100%	None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

STORE AWAY FROM STRONG OXIDIZING MATERIALS.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes on heating.	Specific Gravity (H ₂ O = 1)	None listed.
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Acetate = 1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Slight.		
Appearance & Odor	Cream colored powder; faint characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Combustible dust.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Water spray; dry chemical (ABC); carbon dioxide (CO ₂).
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SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may cause production of hazardous decomposition products. This material, like most organic materials in powder form, is capable of creating a dust explosion. Can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20