

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	PANAKARE PLUS POWDER (Pancreatic Plus Powder)		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	inform@neogen.com
Date Prepared or Revised: 11/15/05			

Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names) This product contains no hazardous ingredients.	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD ₅₀
Pancreatin-CAS 8049-47-6 Composed of:	N/A	Total dust	Rat, Mouse
Lipase 71,400 USP Units/2.8 g		3 mg/m ³	>10 g/kg
Protease 388,000 USP Units/2.8 g			
Amylase 460,000 USP Units/2.8 g			
Vitamin A 1,000 IU/2.8 g			
Vitamin D-3 100 IU/2.8 g			
Vitamin E 10 IU/2.8 g			

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): N/A
Vapor Pressure (mm Hg.): N/A	Melting Point:
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1):
Solubility in Water: Partially Soluble	
Appearance and Odor: Light Brown-Grey Powder, Slight Meaty Odor	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): N/A	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Water spray, CO ₂ , dry chemical powder, foam.	
Special Fire Fighting Procedures: Wear NIOSH-approved self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: Avoid breathing dust or fumes	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: None known
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Strong oxidizing agents, heat			
Hazardous Decomposition or Byproducts: None known			
Hazardous Polymerization	May Occur		Conditions to Avoid: None known
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-Moderate irritation	Skin, eyes-Moderate irritation	Ingestion-Not an ingestion hazard under normal conditions of use
Health Hazards (<i>Acute and Chronic</i>)	Avoid breathing dusts; inhalation may irritate the nose and respiratory tract and may cause asthma- like reaction. Once an allergy develops, even low exposure levels may trigger symptoms. Eye exposure can cause redness, tearing, and irritation.		
Carcinogenicity:	NTP-Not listed (National Toxicology Program)	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-No
Signs and Symptoms of Exposure: Prolonged contact may cause eye, skin or respiratory irritation			
Medical Conditions Generally Aggravated by Exposure: Skin dermatitis, asthma or other chronic respiratory conditions. Individuals with hypersensitivity to pancreatin or pork may be more likely to develop allergic reactions to this product.			
Emergency / First Aid Procedures	Ingestion: Not an ingestion hazard under normal use conditions.		
	Inhalation: Remove exposed subject to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, administer oxygen(by trained personnel only). Keep subject warm. Seek immediate medical attention.		
	Eye Contact: First check victim for contact lenses and remove if present. Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If symptoms such as redness or irritation develop or persist, get immediate medical attention.		
	Skin Contact: Remove contaminated clothing. Wash skin with soap and flush thoroughly with plenty of water. Obtain medical attention if irritation develops. Clean contaminated clothing by washing before reuse.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Follow facility-specific procedures for spill response. Avoid dust generation; vacuum or wet mop. When cleaning spills, wear appropriate personal protective equipment and respirator. Practice contamination avoidance. For small spills of solid material, collect by carefully scooping or shoveling into a pan or drum and by moistening with water and wiping. Avoid spreading the compound as much as possible.
Waste Disposal Method: Disposal in dry landfill is acceptable. Ensure compliance with local, state and Federal regulations.
Handling and Storing: Read and follow all label directions.
Other Precautions: For veterinary use only.

Section VIII – Control Measures		
Respiratory Protection (Specify Type): NIOSH-approved self-contained breathing apparatus		
Ventilation	Local Exhaust: General dilution or local exhaust	Special:
	Mechanical (General):	Other: Wear Tyvek suits for prolonged exposure
Protective Gloves: Rubber gloves		Eye Protection: Safety goggles or glasses
Other Protective Clothing or Equipment: Tyvek suits, eyewash.		
Work / Hygienic Practices: Avoid dusty, warm moist conditions. Wash with soap and water after use.		

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.