Material Safety Data Sheet

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ATTENTION!

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8:00am - 5:00pm EST Mon. - Fri.

PANCREATIN AMYLASE AND PROTEASE
Catalog Number: 1494057  Package Size: 2 g  Revision Date: March 21, 2002

SECTION 1 - IDENTIFICATION

Common Name: Pancreatin  Formula: Variable
Synonym: n/f
Chemical Name: Pancreatin
CAS Number: 8049-47-6  RTECS Number: RT9033000
Chemical Family: Pancreatic enzyme
Therapeutic Category: Digestive adjunct

SECTION 2 - INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>Principle Components</th>
<th>Percent</th>
<th>Exposure Limits</th>
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<tbody>
<tr>
<td>Pancreatin</td>
<td>Pure Material</td>
<td>n/f</td>
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SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: n/f
Adverse Effects: Possible allergic reaction to material if inhaled, ingested or in contact with skin.
Overdose Effects: High doses may cause intestinal obstruction, nausea, stomach cramps, blood in urine, joint pain, swelling of feet or lower legs and diarrhea.
Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
**SECTION 4 - FIRST AID MEASURES**

**General:** Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

**Overdose Treatment:** n/f

**SECTION 5 - TOXICOLOGICAL INFORMATION**

**Oral Rat:** LD50: >10 grams/kg

**Oral Mouse:** LD50: >10 grams/kg

**Irritancy Data:** n/f

**Target Organ(s):** n/f

**Listed as a Carcinogen?**
- NTP: No
- IARC: No
- OSHA: No

**Other:** No

**SECTION 6 - FIREFIGHTING MEASURES**

**Flash Point:** n/f

**Auto-Ignition Temperature:** n/f

**Extinguisher Media:** Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

**Fire and Explosion Hazards:** This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

**Firefighting Procedures:** As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

**SECTION 7 - PHYSICAL HAZARDS**

**Conditions to Avoid:** Avoid exposure to heat.

**Incompatibilities:** Strong oxidizers, alcohols, acids, caustic alkalis, and metallic salts.

** Decomposition Products:** When heated to decomposition material emits toxic fumes. Emits toxic fumes under fire conditions.
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Stable? Yes  Hazardous Polymerization? No

SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

Handling: As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity. Store in a refrigerator. Do not open while cold. This material is hygroscopic.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.

Disposal: Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: When working with small quantities in a well-ventilated area, respiratory protection may not be required. The use of an approved dust mask is recommended.

Ventilation: No special ventilation requirements.

Gloves: Rubber

Eye Protection: Safety Glasses

Protective Clothing: Protect exposed skin.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

Appearance and Odor: Yellowish, amorphous powder; faint, characteristic odor.

Melting Point: n/f

Solubility in Water: Slightly soluble

Boiling Point: n/f

Specific Gravity: n/f

Vapor Pressure: n/f

Vapor Density: n/f

Evaporation Rate: n/f

Reactivity in Water: n/f

% Volatile by Volume: n/f