

SAFETY DATA SHEETS

This SDS packet was issued with item:

078352990

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078352974 078352982

MATERIAL SAFETY DATA SHEET

1. PRODUCT and COMPANY IDENTIFICATION

Product Name: Epizyme (Pancreatin USP)

Dosage: 4oz, 8oz and 12oz powders

Bottles

Vet Brands International, Inc

10467 N. Commerce Parkway

Miramar, FL 33025

800-766-7543 / 954-392-8072 / fax 954-392-8076

Date Prepared: September 1, 2009

2. COMPOSITION / INFORMATION on INGREDIENTS

Pancreatin, USP	65-100%
Sucrose w/starch	0-35%
Sodium Chloride	-10%

3. HAZARD INFORMATION

Emergency Overview: this product is a tan to creamy colored granular powder with a faint characteristic meaty odor. It is a natural substance derived from porcine pancreas glands. Avoid breathing dusts, inhalation may irritate the nose and respiratory tract and may cause an asthma-like reaction. Once an allergy develops, even low exposure levels may trigger symptoms. Eye exposure can cause redness, tearing and irritation.

This product is a dust and may present an explosion risk when suspended in air in sufficient concentration in the presence of an ignition source such as heat, sparks or open flames.

Potential Health Effects:

Acute:

Inhalation: inhalation of dusts may irritate the upper respiratory tract.

Hypersensitive individuals may develop sensitivity to pancreatin, including asthma and other allergic respiratory conditions.

Ingestion: not an ingestion hazard under normal conditions of use.

Skin: contains an enzyme which may cause skin irritation or skin allergies.

Eye: may cause eye irritation. Dusts in eye can cause tearing, redness and possible tissue damage.

MATERIAL SAFETY DATA SHEET

Subchronic / Chronic:

Target Organ Effects: inhalation of dusts may irritate the upper respiratory tract. Hypersensitive individuals may develop sensitivity to pancreatin, including asthma and other allergic respiratory conditions. In children, chronic use of the product's ingredients have been associated with disorders of the urinary tract and kidneys. Long term inhalation may cause lung damage and breathing problems in workers.

Carcinogenic Effects: no human or animal data available.

Reproductive / Teratogenic Effects: no data available.

Carcinogenicity Status: this product and its ingredients are not listed as carcinogenic by NTP, IARC or OSHA.

Medical Conditions Aggravated by Exposure: individuals with hypersensitivity to pancreatin or pork may be more likely to develop allergic reactions to this product.

Breathing dust of any kind may aggravate acute or chronic asthma and or chronic lung disease.

4. FIRST AID MEASURES

Inhalation: remove exposed subject to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, administer oxygen (trained professional only). Keep subject warm. Get immediate medical attention.

Ingestion: get immediate medical attention if the exposed individual has any of the pre-existing medical conditions that can be aggravated by this product.

Skin: remove contaminate 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.

Eye: first check the victim for contact lenses and remove. 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 medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point: n/a- material is a dust **Method:** n/a

Auto Ignition Temperature: material chars upon heating.

MATERIAL SAFETY DATA SHEET

Flammability Limits: lower limit-not available
upper limit- not available

Unusual Fire and Explosion Hazards: this product is a dust and may present an explosion risk when suspended in air in sufficient concentration in the presence of an ignition source such as heat, sparks or open flame.

Common Extinguishing Methods: for fires involving this product or its packaging material, use an extinguisher which is appropriate for combustibles and surrounding class of fire.

Fire Fighting Procedures: no special procedures required.

6. 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.

7. HANDLING and STORAGE

This product will absorb moisture under high humidity conditions. Keep containers closed when not in use. Store in a cool, dry area or product may lose activity. Storage containers should be resistant to salt corrosion and air tight. Storage temperature should not exceed 25 degrees C. Minimize dust generation and accumulation. Dry powder can build static electricity charges caused by conveying or handling.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines:

Substance Name: particulate not otherwise classified (PNOC)

OSHA PEL/STEL: total dust

ACGIH TL/STEL: 3 mg/m³ (TLV, particulates)

SPL Standard: 180 ug/m³ RBEC-2

Ventilation: adequate local exhaust ventilation or other engineering controls to minimize dust generation and to keep airborne concentrations below exposure limits.

Respiratory Protection: wear an approved (NIOSH/MSHA) respirator when general and local ventilation are not adequate to keep airborne concentrations below exposure.

MATERIAL SAFETY DATA SHEET

Protective Gloves: wear impervious gloves to prevent skin contact.

Eye Protection: either safety glasses with side shields or goggles should be worn when handling this material.

Other: depending on the operation, lab coat, apron or other impermeable clothing may be appropriate.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance and Odor: yellowish, granular powder with a characteristic odor.

Melting Point: no data available.

Boiling Point: n/a, material is a solid.

Specific Gravity: 0.9

Vapor Density: n/a

Vapor Pressure: n/a

Solubility: Water- partly soluble; Other Solvents- nearly insoluble in isopropyl, alcohol, ethyl alcohol, acetone and other ketones

Decomposition Temperature: n/a

Viscosity: n/a

pH: 6.5-7.5 (10% solution)

10: STABILITY and REACTIVITY

Stability: product is stable under normal conditions of use.

Hazardous Decomposition Products: hazardous thermal decomposition produces carbon dioxide and monoxide.

Condition to Avoid: avoid dust generation, heat, high temperatures, pressure, mechanical shock or other conditions that might result in a hazardous situation.

Materials and Substances to Avoid: this product is incompatible with strong oxidizers and strong acids and reacts violently with bromine trifluoride and lithium. Also, mineral acids, excess alkali hydroxides or carbonates may render pancreatin inactive.



VET BRANDS INTERNATIONAL, INC.®

10467 N. Commerce Pkwy, Miramar, FL 33025, Phone: 1-800.766.7543 - 954.392.8072 - Fax: 954.392.8076

MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

This product is a mixture for which no toxicological data exists. When available, toxicological data for the product's components are provided below.

Acute Data:

Inhalation- no data available

Ingestion- pancreatin- LD50 greater 10 gm/kg (rat, mouse)

sucrose- LD50= 29,700 mg/kg (rat)

sodium chloride- LD50= 3 gm/kg (rat), 4 gm/kg (mouse)

Eyes- not data available

Skin- no data available

12. TRANSPORTATION INFORMATION

**U.S. Department of Transportation- this product is not regulated by the DOT
International Transportation Regulations- this product is not regulated under
international transportation regulations**

13. REGULATORY INFORMATION

Federal Regulations:

**Pancreatin- this product is listed on the EPA Toxic Substances Control Act
Inventory (TSCA)**

Sucrose- EPA Toxic Substances Control Act Chemical Inventory

Sodium Chloride- EPA Toxic Substances Control Act Chemical Inventory

**State Regulations: this product is not regulated by any state government, however
pancreatin is listed on the N.J. Right to Know Hazardous Substance List**

14. OTHER INFORMATION

Hazard Ratings:

NFPA- Health 2

Flammability 1

Reactivity 0

Special Hazards none



VBI

VET BRANDS INTERNATIONAL, INC.®

10467 N. Commerce Pkwy, Miramar, FL 33025, Phone: 1-800.766.7543 - 954.392.8072 - Fax: 954.392.8076