

# Material Safety Data Sheet

Product Name: ProZyme Plus

MSDS No.: 601-0

Version No.: 001

EPA Registration No.: None

## 1. Basic Information:

**Manufacturer:** Trophy Animal Health Care  
**Address:** 1217 West 12th Street  
**City, State Zip:** Kansas City, MO 64101-1407  
**Information Contact:** Environmental, Health, & Safety Dept.  
**Information Telephone Number:** 816-421-4070  
**Emergency Contact:** CHEMTREC  
**Emergency Telephone Number:** 800-424-9300



0	Health
1	Flammability
0	Reactivity
	Pers. Protection

Last Update: 11/14/2008

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

## 2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
37189347	Bromelain	0.4%	N	N	N	N	N				
9012548	Cellulase DS	0.1%	N	N	N	N	N				
9001198	Fungal Amylase	2.3%	N	N	N	N	N				
9001621	Lipase DS	0.3%	N	N	N	N	N				

## 3. Hazardous Identification:

**Hazard Category:**  
 Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**  
 This product should not be hazardous when used as directed. In a production setting it can cause respiratory sensitization if large amounts of the dust are inhaled.

## 4. First Aid Measures:

**Route(s) of Entry:**  
 Skin Contact, Inhalation, Ingestion, Eye Contact

**Health Hazards (Acute and Chronic):**  
 EYES: Mild eye irritant, no permanent injury likely.

SKIN: May cause mild skin irritation.

**INHALATION:** Repeated exposure can result in sensitization in susceptible individuals. Symptoms may develop several hours after exposure or leaving work. Inhalation of the dust may cause irritation of the upper respiratory tract and asthmatic-type symptoms such as coughing, wheezing, tightness of the chest, and shortness of breath.

**INGESTION:** No hazard in normal industrial use. Moderately toxic in large doses to people who are lactose intolerant.

**Signs and Symptoms:**  
 Repeated skin contact may cause a persistent irritation or dermatitis.

**Medical Conditions Generally Aggravated by Exposure:**  
 May aggravate existing skin, eye, and lung conditions.

**Emergency First Aid Procedure:**  
 If swallowed: Do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### First Aid Measures (Continued)

**If in eyes:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**If on skin:** Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**If inhaled:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Other Health Warnings:**

## 5. Fire Fighting Measures:

**Flash Point:** ND **F.P. Method:** NA

**Lower Explosive Limit:** ND

**Upper Explosive Limit:** ND

**Fire Extinguishing Media:**  
 CO2, dry chemical, foam, water fog. This is an organic solid and should not burn rapidly but it would be consumed in a building or vehicle fire.

**Special Fire Fighting Procedures:**  
 As in any fire, wear self-contained pressure-demand breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

**Unusual Fire and Explosion:**  
 None

## 6. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:**  
 If spill is dry, use a broom, shovel, or any similar means to recover product. Avoid dust generation and use appropriate respiratory protection.

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## 7. Handling and Storage:

### Precautions to be Taken:

**HANDLING:** Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Use with adequate ventilation. Protect from contamination.

**STORAGE:** Keep container closed when not in use. This product should be stored in clean, dry areas. Store in a cool, well ventilated place.

### Other Precautions:

None

## 8. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Personal Protective Equipment:

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA §1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Impervious gloves, consult your glove manufacturer for compatibilities.

**EYE PROTECTION:** Wear appropriate eye protection to prevent accidental contact.

**OTHER PROTECTIVE EQUIPMENT:** Wear suitable protective clothing to minimize and/or prevent contact. An eye-wash and safety shower should be present in the immediate area when handling this product.

**HYGIENIC PRACTICES:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/Label precautions even after container is emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing.

## 9. Physical and Chemical Properties:

**Boiling Point:** NA

**Melting Point:** ND

**Evaporation Rate (Butyl Acetate = 1):** NA

**Vapor Pressure (mm Hg.):** ND

**Vapor Density (Air = 1):** NA

**Specific Gravity (H<sub>2</sub>O = 1):** 0.48000

**Solubility in Water:** Soluble

**Appearance and Odor:** Cream to white powder, Mild odor

### Other Information:

Density = 29.94 pounds per cubic foot

## 10. Stability and Reactivity:

### Stability:

This material is stable under normal conditions.

### Incompatibility (Materials to Avoid):

None known

### Decomposition/By-Products:

ND

### Hazardous Polymerization:

Will not occur under normal conditions.

## 11. Toxicological Information:

## Toxicological Information (Continued)

No product or component toxicology information is available.

## 12. Ecological Information:

No product or component ecological information is available.

## 13. Disposal Considerations:

Follow all federal, state, and local regulations.

## 14. Transport Information:

DOT PROPER SHIPPING NAME: Foodstuffs, other than frozen, GRP I

DOT HAZARD CLASS: Not DOT Regulated

## 15. Regulatory Information:

**OSHA STATUS:** This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA STATUS:** All the ingredients in this mixture are on the TSCA Chemical Substances Inventory or are exempt.

**CERCLA REPORTABLE QUANTITY:** None

### SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health

Hazard

SECTION 313 TOXIC CHEMICALS: None

**RCRA STATUS:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

## 16. Other Information:

**REASON FOR ISSUE:** New MSDS in the ANSI Z400.1-1998 format

**NOTE:** NA means not applicable.

ND means not determined.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.