

## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION

Manufactured for: MYDENT INTERNATIONAL  
 Address: 80 Suffolk Court  
 City, State, Zip: Hauppauge, NY 11788  
 Telephone: 631-434-7760  
 Date Prepared: 11/10/2011  
 Chemical Name: Protease

### HAZARDOUS INGREDIENTS

ITEM	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Hazardous/Toxic Components (CAS #):				
Protease (CAS #9014-01-1)		None established 0.06mg/m3 substilinsis (as a pure crystalline enzyme)	N/A	N/A

Hazard Rating (NFPA):  
 HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 SPECIFIC: None

Non-Hazardous Components (CAS #):  
 N/A

AS PER OSHA HAZARD COMMUNICATIONS STANDARD 29CFR 1910.1200

### PHYSICAL DATA/CHEMICAL CHARACTERISTICS

Appearance and Odor: White and brown speckled tablet, mint aroma.

Boiling Point: N/A

Volatile (by weight %): N/A

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (AIR – 1): N/A

Evaporation Rate (Butyl Acetate – 1): N/A

Solubility in Water (H<sub>2</sub>O):: Readily soluble

Specific Gravity (H<sub>2</sub>O – 1): N/A

pH: N/A

### FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A

Flammable Limits: N/A

Extinguishing Media: Water, Carbon Dioxide, Dry Chemical

UEL: N/A LEL: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazards or Procedures: N/A

### REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Extremely High Temperatures

Incompatibility (Material to Avoid): N/A

Hazardous Decomposition of Byproducts: N/A

Hazardous Polymerization: N/A

### TRANSPORTATION: (DOT info if Applicable)

N/A

### HEALTH HAZARD DATA

#### EFFECTS OF OVER EXPOSURE

Routes of Entry= Eye and skin contact, inhalation and accidental ingestion.

Skin: Irritation

Eyes: Irritation

Ingestion: If swallowed, seek medical advice immediately.

Inhalation: Irritation; Dust inhalation can cause sensitization.

### SIGNS AND SYMPTOMS OF EXPOSURE

Skin: Irritation

Eye: Irritation

Ingestion: If swallowed, seek medical advice immediately.

Inhalation: Irritation; Dust inhalation can cause sensitization.

Medical Conditions Generally Aggravated by Exposure: Allergy to Enzyme Protein.

### EMERGENCY AND FIRST AID PROCEDURES

Skin: In case of skin contact, immediately wash with plenty of water and remove contaminated clothing.

Eyes: Flush eyes with plenty of water at least 15 minutes. Consult a doctor immediately if irritation continues.

Ingestion: If swallowed, seek medical advice immediately.

Inhalation: If inhaled, remove to fresh air.

### PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Vacuum or moisten with water and collect into closed disposal container.

Waste Disposal Method: Follow Local, State and Federal regulations for disposal. Product is biodegradable.

Precautions to be Taken in Handling and Storing: Keep in cool, dry place. Keep out of reach of children. Avoid splashing solution.

Other Precautions: N/A

### CONTROL MEASURES

Respiratory Protection (Specify Type): Use NIOSH / OSHA approved device if ventilation cannot be provided.

VENTILATION: None

Local Exhaust: N/A

Mechanical (General): N/A

Protective Gloves: Vinyl or rubber gloves.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: None

Other Work / Hygiene Practices: Do not place in unlabelled container. Wash hands after use

### CARCINOGENICITY

NTP: N/A

IARC Monographs: N/A

OSHA Regulated: N/A

### SPECIAL INFORMATION

**24 hr EMERGENCY TELEPHONE NUMBER: CHEMTREC (800) 424-9300**

Note: Mydent Corporation has compiled this data based on the research and input of qualified experts in the field of microbiology, chemistry and quality assurance. The data are not to be taken as a warranty or representation for which Mydent Corporation assumes legal responsibility. They are offered only for your consideration and verification.