

# Material Safety Data Sheet



## Martrex, Inc.

### Section 1: Chemical Product and Company Information

**Product name:** FerMax Protease

**Supplier/Further Information:**

Martrex, Inc.  
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### Section 2: Composition/Information on Ingredients

**Chemical Name:** N/A

**Chemical Family:** Enzyme

**Molecular Weight:** N/A

**Hazard Classification:** N/A

**CAS Number:** 9025-49-4

**Formula:** N/A

**Synonyms:** N/A

**Shipping Name:** N/A

**Source:** Aspergillus niger

### Section 3: Hazards Identification

**Health Hazard Information:**

Potential allergic reaction and/or breathing problem if aerosol inhaled.

**Potential Health Effects:**

**Eye:**

Product is not known to cause eye irritation. However, it is recommended that direct contact with eyes be avoided.

**Skin:**

Product is not irritating to skin. However, It is recommended that prolonged contact with skin be avoided.

**Ingestion:**

Ingestion of material is not known to result in significant adverse health effects.

**Inhalation:**

May cause sensitization by inhalation in hypersensitive individuals. Avoid aerosol generation.

**Signs and Symptoms of Exposure:**

The allergic symptoms are such as runny nose, cough, sneeze, languor, slight attack of fever.

## Section 4: First Aid Measures

### Inhalation:

If inhaled remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response is exhibited.

### Eye Contact:

In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.

### Skin Contact:

In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.

### Ingestion:

If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.

## Section 5: Fire Fighting Measures

### Flash Point/Ignition Temperature:

### Protection Against Fire & Explosions:

Under normal use no special requirements.

### Explosion Characteristics:

 N/A

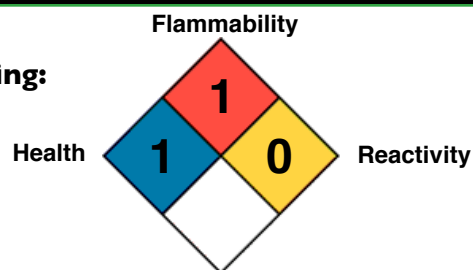
### Hazardous Decomposition Products:

 None

### Suitable Fire Extinguishing Media:

 Water, foam, halon

### NFPA Rating:



## Section 6: Accidental Release Measures

### If a spill occurs:

**Spilled product should be removed immediately to avoid formation of aerosol.** Vacuum or moisten with water and collect into a sealable container for disposal. Flush spill area with plenty of water (low pressure) into approved sewer. Avoid formation of aerosols and dusts. Ensure sufficient ventilation. Wash contaminated clothing.

## Section 7: Handling and Storage

### Handling:

Never handle liquid without appropriate personal protective equipments in accordance with Section 8. **Avoid formation of aerosol.** Avoid splashing and high pressure washing. Ensure good ventilation of the room when handling this product.

### Storage:

Store container in a dry, cool place.

## Section 8: Exposure Controls / Personal Protection

### Respiratory Protection:

None required under usual condition of use. However, if exposure potential exists, refer to NIOSH Criteria Guides to determine appropriate unit.

### Hand Protection:

**Impermeable gloves recommended.**

### Eye Protection:

Wear protective glasses or eye shield.

### Industrial Hygiene:

Maintain good conditions of industrial hygiene.

**Section 9: Physical and Chemical Properties****Boiling Point (760mm Hg):** 100 -105°C to 1.3**Evaporation rate (butyl acetate =1):** As water**Appearance & Odor:** Brown liquid-typical fermentation odor**Vapor Pressure at 20 degrees:** As water**Solubility in water, % by weight:** Completely miscible**Specific Gravity:** 1.1**% Volatile by Volume:** 0**Pour Point:** N/A**Vapor Density (air=1):** 0.62**pH Value:** 3.8 - 8.0**Section 10: Stability and Reactivity****Stability:** Stable**Hazardous Decomposition or Byproducts:** N/A**Section 11: Toxicological Information**

Inhalation of aerosol may cause respiratory allergy in susceptible individuals. Oral rat LD-50 >2g/kg-classifies product as "non-toxic".

Not classified as a carcinogen by IARC, OSHA, or NTP.

**Section 12: Ecological Information**

Product is readily biodegradable.

**Section 13: Disposal Considerations**

No special disposal method required, except that in accordance with current local authority regulations.

**Section 14: Transport Information****Road/Rail:** Not classified**Sea:** Not classified**Air:** Not classified**Section 15: Regulatory Information**

The active ingredient and all components of the enzyme preparation are listed on the TSCA Inventory.

**Section 16: Other Information**

Any person who experiences any allergic or sensitive reactions to this liquid should refrain from handling it again.

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of the company, it is the responsibility of the user to determine the conditions of safe use of this product. The information does not represent analytical specifications.