



## SAFETY DATA SHEET

(REACH Regulation (EC) n. 1907/2006 – n. ° 453/2010)

### PMP Amizyme TX-8

#### Section 1: Identification of the Substance/Mixture and of the company/Undertaking

##### 1.1. Product Identifier

Product Name: PMP Amizyme TX-8  
REACH Registered Name: unknown  
REACH Registered Number: not registered  
CAS #: 9000-90-2  
EC #: 2325656  
Product Code: 74202, , 74204  
Synonyms: Bacterial alpha-Amylase in water  
INCI Name: Amizyme TX-8

##### 1.2. Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Desizing agent

##### 1.3. Details of the Supplier of the Safety Data Sheet

Company : PMP Fermentation Products, Inc.  
900 NE Adams Street  
Peoria, Illinois 61603, USA

Telephone: 1-309-637-0400 8 am – 4 pm CST M-F  
Fax Number : 1-309-637-9302  
E mail: [sales@pmpinc.com](mailto:sales@pmpinc.com)

##### 1.4. Emergency Contact

Chemtrec: 1-(800) 424-9300

#### SECTION 2: Hazards Identification

##### 2.1. Classification of the Substance or Mixture

Classification under CLP: Health is Category 1

GHS Classification		
<i>Health</i>	<i>Environmental</i>	<i>Physical</i>
H334	No Classification	No Classification



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#### 2.2. Label Elements

Signal Word: Danger  
Hazard Statement: H334  
Precautionary Statements: Prevention: P261, P284  
Response: P304+P340; P342+P311  
Disposal: P501

Symbol:



#### 2.3. Other Hazards

PBT: This product is not identified as a PBT substance

### Section 3: Composition/Information on Ingredients

#### 3.1. Substances

Chemical Identity: alpha-Amylase enzyme

Component	Classification	Concentration
<b>Alpha-Amylase</b>	No classification	10%
No. CAS 9000-90-2		
<b>Water</b>		
No CAS 7732-18-5	No classification	90%
No CE 231-791-2		

### SECTION 4: First Aid Measures

#### 4.1. Description of First-Aid Measures

Skin: Wash with soap and plenty of water.

Eyes : Wash thoroughly with plenty of water for at least 15 minutes, and seek medical advice.



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Ingestion: Get medical attention if adverse effects occur.

Inhalation P304+P340: If inhaled, remove person to fresh air and keep comfortable for breathing.

P342+P311: If experiencing respiratory symptoms, get immediate medical attention.

#### 4.2. Most Important Symptoms and Effects, both Acute and Delayed

Skin: Can cause irritation and redness to susceptible individuals.

Eyes: May cause mild irritation. The eyes may water profusely.

Ingestion: Can cause irritation if large amounts are swallowed. You may experience nausea and stomach pain. There may be vomiting and diarrhea.

Inhalation: May cause respiratory irritation in susceptible individuals. Can cause shortness of breath, sneezing and coughing.

Delayed/Immediate Effects: May cause allergy or asthma symptoms or breathing difficulty if inhaled

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Need

Immediate/Special Treatment: Eye wash stations should be available

### SECTION 5: Fire-Fighting Measures

#### 5.1. Extinguishing Media

Extinguishing media: water, carbon dioxide, foam, halogen

#### 5.2. Special Hazards Arising from the Substance or Mixture

Exposure hazards: none

#### 5.3. Advice for Fire Fighters



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Advice for firefighters: Wear self-contained breathing apparatus. Wear suitable protective clothing to prevent contact with skin and eyes.

#### **5.4 Other Information**

None

### **SECTION 6: Accidental Release Measures**

#### **6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

Personal precautions: Use appropriate protective clothing. See section 8.

#### **6.2. Environmental Precautions**

Environmental precautions: Do not discharge into drains or rivers.

#### **6.3. Methods and Material for Containment and Cleaning Up**

Clean-Up Procedures: Collect as much as possible for use or disposal in a properly labeled container. Flush remainder into normal drainage with copious amounts of water.

#### **6.4. Reference to Other Sections**

Reference to other sections: see sections 8 and 13

### **Section 7: Handling and Storage**

#### **7.1. Precautions for Safe Handling**

Handling requirements: Use suitable protective clothing. Make sure there is adequate ventilation in the area.

#### **7.2. Conditions for Safe Storage, Including Any Incompatibilities**

Storage conditions: Store in a cool, well-ventilated area. Keep away from direct sunlight.

Packaging: plastic or lined poly drums.



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#### 7.3. Specific End Use(s)

No special requirement

### SECTION 8: Exposure Controls/Personal Protection

#### 8.1. Control Parameters

None established:

#### 8.2. Exposure Controls

Engineering measures:	Provide sufficient ventilation of the area.
Respiratory protection	<b>P284:</b> In case of inadequate ventilation, wear respiratory protection
Hand Protection	Protective gloves
Eye Protection	Safety goggles, provide eye wash stations
Skin Protection	Protective clothing. Provide safety shower
Environmental:	No special requirement

### Section 9: Physical and Chemical Properties

#### 9.1. Information on Physical and Chemical Properties

State:	liquid
Color:	Dark brown
Odor:	Cinella
pH:	6.0 – 7.2
Melting point:	Data not available
Boiling Point:	>100 °C
Flash point:	Data not available
Evaporation rate:	Data not available
Flammability:	Data not available
Upper Explosion Limit:	Data not available
Lower Explosion Limit:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Specific Gravity:	1.0
Solubility in water	Complete
Auto-ignition Temperature:	Data not available



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Freezing Point:		Data not available
Viscosity :		Data not available
Oxidizing substances:		Data not available
Molecular Wt :		Data not available

#### 9.2. Other Information

Other Information: Not applicable

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

Reactivity Stable under recommended storage and transport conditions

#### 10.2. Chemical Stability

Chemical Stability Stable under normal conditions

#### 10.3. Possibility of Hazardous Reactions

Hazardous Reactions: Hazardous reactions will not occur under normal conditions

#### 10.4. Conditions to Avoid

Conditions to Avoid: Direct sunlight

#### 10.5. Incompatible Materials

Materials to Avoid:: None

#### 10.6. Hazardous Decomposition Products

Hazardous Decomposition Products: None



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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### 11.1. Information on Toxicological Effects

Toxicity Values:

Route	Species	Test	Value	Units
Oral	Rat	LD <sub>50</sub>	>2000	mg/kg

##### Symptoms/Routes of Exposure

Contact on Skin:	May cause irritation and redness for susceptible individuals.
Eyes:	May cause mild irritation. Eyes may water profusely..
Ingestion	May cause irritation if large amounts are swallowed. Nausea and stomach pain may occur. There may be vomiting and diarrhea.
Inhalation	May cause respiratory irritation in susceptible individuals. May cause shortness of breath, sneezing and coughing.
Delayed/Immediate effects:	May cause allergy or asthma symptoms or breathing difficulty if inhaled
Carcinogenicity:	Not applicable
Mutagenicity:	Not applicable
Teratogenicity:	Not applicable
Reproductive Toxicity:	Not applicable

#### SECTION 12: ECOLOGICAL INFORMATION

##### 12.1. Toxicity

Ecotoxicity Values:

Species	Test	Value	Units
Fish	96H LC50	> 100.0	mg/L
Daphnid	48H LC50	> 100.0	mg/L



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#### 12.2. Persistence and Degradability

Persistence and Degradability: Readily and rapidly biodegradable

#### 12.3. Bioaccumulative Potential

Bioaccumulative Potential: Product does not bioaccumulate

#### 12.4. Mobility in Soil

Mobility: Soluble in water

#### 12.5. Results of PBT and vPvB Assessment

PBT Identification: This substance is not identified as a PBT substance.

#### 12.6. Other Adverse Effects

Other Adverse Effects: Not expected to cause significant environmental impact.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste Treatment Methods

**Disposal Operations:** P501 In accordance with applicable regulations. Normally can be flushed down sewers..

**Recovery Operations:** No information available

**Disposal of Packaging:** Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licensed contractor

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### SECTION 14: TRANSPORT INFORMATION

Transport Class: This product does not require a classification for transport.





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#### SECTION 15: REGULATORY INFORMATION

##### 15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

Specific Regulations

Directive 96/82/EC does not apply

Europe Risk Phrases      Respiratory Sensitizer

Europe Safety Phrases      Danger

##### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

#### SECTION 16: OTHER INFORMATION

##### Other Information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

There are no exposure levels set for the specific product.

##### Legal Disclaimer

: The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, PMP Fermentation Products, Inc. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.

Date of Revision      03/11/14