



Revision : 1210

## **$\alpha$ -Amylase (Porcine Pancreatic) Safety Data Sheet**

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**Product Name:**  $\alpha$ -Amylase (Porcine Pancreatic)  
**Catalogue Number:** E-PANAA

**This product is for laboratory use only. Not for drug, household or other uses.**

This product is a substance or preparation that is subject to classification according to 1272/2008 and 1999/45/EC.

This product should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used.

For more information refer to the E-PANAA booklet.

**General appearance:** This product contains one glass/plastic vial.  
**Storage:** The contents of this product are stable as specified on the individual containers when stored under the recommended storage conditions.  
For more information refer to the E-PANAA booklet.

**Contents:**

| Name     | Description                            | Classification                 |
|----------|--|--------------------------------|
| Bottle 1 | $\alpha$ -Amylase (Porcine Pancreatic) | Resp. Sens. 1, H334<br>Xn, R42 |

**\*Contains sodium azide (0.02% w/v) as a preservative. Contact with acids may form toxic gases.**

### **I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

#### **I.1 Product Identification:**

**Product Name:**  $\alpha$ -Amylase from porcine pancreas  
**Synonym:** None  
**Catalogue Number:** E-PANAA

#### **I.2 Relevant identified uses of the product and uses advised against:**

For laboratory use only. Not for drug, household or other uses.

#### **I.3 Details of company:**

**Company Name:** Megazyme International Ireland  
**Address:** Bray Business Park,

**Contact:** Bray, Co. Wicklow, Ireland.  
**Tel:** Dr. Barry McCleary, PhD, DScAgr  
+353-1-2861220  
**Fax:** +353-1-2861264  
**E-mail:** cs@megazyme.com

**1.4 Emergency phone number:**  
+353-1-2861220 - Available from 9am to 5.30pm (local time Ireland).

## 2. HAZARD IDENTIFICATION

### 2.1 Classification of product:

**Classification according to EC 1272/2008**

Resp. Sens. 1

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

May cause sensitisation by inhalation.

### 2.2 Labelling:

**Labelling according EC 1272/2008 [CLP]**

Pictogram



Signal Word

Danger

Hazard Statements

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P342 + P311

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Supplemental Hazard Statements

None

### Labelling according to EU Directives 67/548/EEC, 1999/45/EC

Hazard Symbols



R-phrase

R42

May cause sensitisation by inhalation.

S-phrase

S22

Do not breathe dust.

S24

Avoid contact with skin.

S36/37

Wear suitable protective clothing and gloves.

### 2.3 Other Hazards:

None

## 3. INFORMATION ON PRODUCT COMPONENTS

### 3.1 Components:

| Name                                    | CAS #      | EC #      | Classification                 |
|---|------------|-----------|--------------------------------|
| $\alpha$ -Amylase from porcine pancreas | 68920-08-1 | 272-915-5 | Resp. Sens. 1, H334<br>Xn, R42 |

**Synonyms:** None

## **4. FIRST AID**

### **4.1 General information:**

The information in this section is given as general advice. As a general rule seek medical advice in cases of accident, if you feel unwell when using this product, if in doubt, or if symptoms persist. Show the label where possible.

|               |  |
|---------------|--|
| Inhalation    | Move to fresh air. If breathing becomes difficult immediately seek medical advice.   |
| Eye contact:  | Remove contact lenses if fitted. Flush eyes with plenty of water for at least 15 minutes. Get medical advice.  |
| Skin contact: | Immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash clothing and clean shoes before re-use. Get medical advice.                                 |
| Ingestion:    | If person is conscious immediately flush mouth with plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical advice. |

### **4.2 Most important symptoms and effects, both acute and delayed:**

No data available.

### **4.3 Indication of any immediate medical attention and special treatment needed:**

No data available.

## **5. FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media:**

#### **Suitable means of extinction**

Dry chemical powder, water spray, carbon dioxide or foam.

#### **Unsuitable methods of extinction**

Water jet.

### **5.2 Special hazards arising from the substance or mixture:**

Burning may produce toxic and irritant fumes (nitrogen oxides, carbon monoxide, carbon dioxide).

### **5.3 Advice for fire-fighters:**

#### **Fire Fighting Procedure**

Wear breathing apparatus and full protective clothing.

### **5.4 Further information:**

None

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment, avoid breathing dust or vapours, avoid contact with skin and eyes.

### **6.2 Environmental precautions:**

Do not flush product into drains.

### **6.3 Methods and materials for containment and cleaning up:**

All spillages should be dealt with immediately. Use personal protective equipment and sweep or mop up (avoid raising dust or aerosol) and place in a suitable container for disposal. Ventilate area and carefully wash any contaminated surfaces using detergent and water, do not use solvents. Wash all contaminated clothing.

### **6.4 Reference to other sections:**

For disposal see section 13.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling:**

Handle according to good hygiene, laboratory and safety practices. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use only in areas with adequate ventilation. Keep away from heat and sources of ignition.

**7.2 Conditions for safe storage, including any incompatibilities:**  
Stable as specified on the individual container when stored under the recommended storage conditions.

**7.3 Specific end uses:**  
No data available.

## **8. EXPOSURE CONTROLS /PERSONAL PROTECTION**

**8.1 Control parameters:**  
**Occupational exposure limits**  
No data available.

**8.2 Exposure Controls:**  
**Engineering measures**  
Ensure adequate ventilation, especially in confined areas.  
**Personal protective equipment**  
Use personal protective equipment that is clean and has been properly maintained.  
Store personal protective equipment in a clean place, away from the work area.  
Never eat, drink or smoke during use. Remove and wash contaminated clothing before reusing.

**Eye / face protection**  
Avoid contact with eyes.  
Wear safety glasses with side shields conforming to standard EN 166 - prescription glasses are not considered as protection.  
Provide eyewash stations in facilities where the product is handled constantly.

**Hand protection**  
Use suitable protective gloves which conform to standard EN 374.

**Body protection**  
Avoid contact with skin.  
Wear suitable laboratory coat or any other protective clothing designed to minimise skin contact. All parts of the body that contact the product must be washed with soap and water.

**Respiratory protection**  
Avoid breathing dust, vapours or aerosols.  
A protective dust mask which meets the EN 143 standard is advisable to avoid breathing particulates when a powdered form of the product is being handled.  
Use an approved respirator when aerosol, vapour or dust is generated.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

**General information**  
Appearance      Lyophilised powder  
Solubility        Soluble in water.  
pH                 No data available.

**9.2 Other information:**  
None

## **10. STABILITY AND REACTIVITY**

**10.1 Reactivity:**  
No data available.

**10.2 Chemical stability:**  
This product is stable when stored under the recommended handling and storage conditions.

**10.3 Possibility of hazardous reactions:**  
No data available.

- 10.4 Conditions to avoid:**  
Avoid exposure to heat.
- 10.5 Incompatible materials:**  
Strong oxidising agents, strong bases, strong acids.
- 10.6 Hazardous decomposition products:**  
May produce toxic and irritant fumes (nitrogen oxides, carbon monoxide, carbon dioxide) on burning.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on toxicological effects:**

To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been fully investigated.

#### **Acute toxicity**

LD50 Oral 7.5 mg/kg (rat).

#### **Skin corrosion/skin irritation**

No data available.

#### **Serious damage to eyes/eye irritation**

No data available.

#### **Respiratory or skin sensitisation**

May cause allergic respiratory reactions.

### **POTENTIAL HEALTH EFFECTS**

|            |   |
|------------|---|
| Inhalation | May be harmful if inhaled. May cause respiratory tract irritation.  |
| Ingestion  | May be harmful if swallowed.  |
| Skin       | May be harmful if absorbed through skin. May cause skin irritation. |
| Eyes       | May cause eye irritation.   |

## **12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity:**  
No data available
- 12.2 Persistence and degradability:**  
No data available.
- 12.3 Bioaccumulative potential:**  
No data available.
- 12.4 Mobility in soil:**  
No data available.
- 12.5 Results of PBT and vPvB assessment:**  
No data available.
- 12.6 Other adverse effects:**  
No data available.

## **13. DISPOSAL CONSIDERATIONS**

Unused product and packaging may be disposed of in approved landfill sites, incineration or other method in accordance with local, state and federal regulations.

## **14. TRANSPORT INFORMATION**

### **RID/ADR**

Not dangerous goods.

### **IMDG/IMO**

Not dangerous goods.

### **ICAO/IATA**

Not dangerous goods.

## **15. REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the product:**

No data available.

### **15.2 Chemical safety assessment:**

No data available.

## **16. FURTHER INFORMATION**

### **Precautions**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

This product must not be used for any other uses than those specified in section 1.

### **Disclaimer**

The information and recommendations contained herein are to the best of our knowledge reliable. However, Megazyme International Ireland does not guarantee the accuracy or completeness of the information and as such this document should be used as a guide only. In addition, nothing herein is to be construed as a warranty or representation in respect of safety in use, suitability and efficiency or otherwise, including freedom from patent infringements. Users should make their own tests for their particular purpose. We cannot accept any liability for any loss, damage or infringement arising from the use of the information or recommendations contained herein.