



# Material Safety Data Sheet

Issue Date: 9th October, 2009

Approved by Megazyme International Ireland Ltd.

**Product Name:** Amylose/Amylopectin Assay Kit**Hazardous****COMPANY DETAILS:**

<b>Company Name</b>	<b>Megazyme International Ireland Ltd.</b>
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<b>Emergency Telephone</b>	+353-1-2861220
<b>Tel/Fax</b>	Tel: +353-1-2861220/Fax: +353-1-2861264
<b>Other Information</b>	The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation in respect of safety in use, suitability 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.

**IDENTIFICATION:**

<b>Product Code</b>	<b>K-AMYL</b>
<b>Product Name</b>	<b>Amylose/Amylopectin Assay Kit</b>
<b>Proper Shipping Name</b>	as above
<b>Other Names</b>	None Listed
<b>UN Number</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Packing Group</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Poisons Schedule</b>	Not Scheduled

**PHYSICAL DATA:**

<b>Appearance</b>	Four glass vials plus two plastic vials
<b>Specific Gravity</b>	Not applicable
<b>Solubility in Water</b>	Most components readily soluble.

**OTHER PROPERTIES:**

<b>pH Value</b>	neutral
<b>Odour</b>	none
<b>Form</b>	Powders and liquid.
<b>Stability</b>	stable in a refrigerator for ten or more years

**INGREDIENTS:**

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
Concanavelin A			1 vial (glass)
Amyloglucosidase/ $\alpha$ -Amylase			1 vial (glass)
Glucose Buffer			1 vial (polypropylene)
Glucose Assay reagent			1 vial (glass)
Glucose standard and Starch reference			1 vial each (glass and plastic)



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**Product Name:** Amylose/Amylopectin Assay Kit**HEALTH HAZARD INFORMATION****HEALTH EFFECTS**

<b>Acute - Swallowed</b>	Concanavelin A is poisonous.
<b>Acute - Eye</b>	Eye irritant
<b>Acute - Skin</b>	Prolonged skin contact will cause skin irritation.
<b>Acute - Inhaled</b>	Inhalation of dust will irritate the respiratory tract
<b>Chronic</b>	Long term exposure to dusts can cause respiratory irritation and coughing. An allergic reaction is possible with asthmatics.

**FIRST AID**

<b>Swallowed</b>	Drink plenty of water. Never give anything by mouth to an unconscious person.
<b>Eye</b>	Flush eyes with copious amount of water. If irritation occurs, seek medical advice.
<b>Skin</b>	Flush with water. If irritation occurs, obtain medical attention.
<b>Inhaled</b>	Remove to fresh air. If discomfort occurs, seek medical attention.

**Advice to Doctor****Other Health Hazard Information****PRECAUTIONS FOR USE****Personal Protection**

<b>Respirator Type (AS 1716)</b>	Respirator approved for solid and liquid particulates, including dusts and mists, e.g. 3M 8810 mask or respirator with P3 filter or equivalents.
<b>Eye Protection</b>	Splash goggles or safety glasses.
<b>Glove Type</b>	Rubber or vinyl gloves.
<b>Clothing</b>	Lab Coat or Overalls
<b>Other Information</b>	Avoid unnecessary breathing of dust. Handle in accordance with good occupational hygiene and safety practices.

<b>Flammability</b>	non flammable
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**SAFE HANDLING INFORMATION****Storage and Transport**

<b>Storage Precautions</b>	Store in a cool place. Stable in a refrigerator for at least 10 years.
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**Product Name:** Amylose/Amylopectin Assay Kit

**Handling** Glucose buffer solution contains 0.4% concentration of sodium azide. This is a poisonous chemical. When diluting this solution (50 ml) in 1 litre of water, it is essential to wear protective gloves and glasses. The final concentration of sodium azide in the reagent used is 0.02%.

Powdered enzymes should be handled with care and under precautions to avoid inhalation of dust. Airborne dust or aerosols can develop during spillage, material transfers or vigorous stirring of solutions. Any operation which might create dust or aerosol should take place in areas that are provided with adequate exhaust or other forms of mechanical control systems. It is important to avoid direct contact with skin. Rubbing of the face or eyes should be avoided when wearing protective gloves that have been in contact with enzyme.

**Proper Shipping Name** None Allocated

## Spills and Disposal

**Spills and Disposal** Spillages of powdered enzymes should be dealt with immediately. Remove large spillage by vacuum with a high efficiency filter. Flush remainder with plenty of water. Avoid splashing. Provide sufficient ventilation. Wash all contaminated clothing.

**Disposal** Sanitation landfill or incineration in accordance with local, state and federal regulations.

## Fire/Explosion Hazard

**Fire Fighting Procedure** For fires involving this material, do not enter any enclosed or confined fire space without proper equipment such as breathing apparatus.

**Extinguishing Media** Water, Foam

**Hazchem Code** None Allocated

## OTHER INFORMATION

**Risk Statement** R42 May cause sensitisation by inhalation.

**Safety Statement** S23 Do not breathe gas/fumes/spray.

**Hazard Category** Harmful.

## CONTACT POINT

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