

## Material Safety Data Sheet

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Version 1.1

According to 91/155/EEC

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1 - Product and Company Information

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Product Name B-XYLOSIDASE RECOMBINANT, EXPRESSED IN  
E. COLI  
Product Number X1378  
Company Sigma-Aldrich Pty. Ltd.  
12 Anella Avenue  
Castle Hill NSW 2154  
Australia  
Technical Phone # +61 2 9841 0555 (1800 800 097)  
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Emergency Phone # +44 8701906777 (1800 448 465)

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2 - Composition/Information on Ingredients

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| Product Name                      | CAS #     | EC no     | Annex I<br>Index Number |
|-----------------------------------|-----------|-----------|-------------------------|
| B-XYLOSIDASE EXPRESSED IN E. COLI | 9025-53-0 | 232-797-8 | None                    |

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3 - Hazards Identification

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4 - First Aid Measures

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## AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

## AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

## AFTER EYE CONTACT

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

## AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

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5 - Fire Fighting Measures

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## EXTINGUISHING MEDIA

Suitable: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## 6 - Accidental Release Measures

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### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear protective equipment.

### METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

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## 7 - Handling and Storage

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### HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### STORAGE

Conditions of Storage: Keep container closed. Store away from heat.  
Store at 2-8°C

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## 8 - Exposure Controls / Personal Protection

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### ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Government approved respirator.  
Hand Protection: Compatible chemical-resistant gloves.  
Eye Protection: Chemical safety goggles.

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## 9 - Physical and Chemical Properties

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|                       |                        |                            |
|-----------------------|------------------------|----------------------------|
| Appearance            | Physical State: Liquid |                            |
| Property              | Value                  | At Temperature or Pressure |
| pH                    | N/A                    |                            |
| BP/BP Range           | N/A                    |                            |
| MP/MP Range           | N/A                    |                            |
| Flash Point           | N/A                    |                            |
| Flammability          | N/A                    |                            |
| Autoignition Temp     | N/A                    |                            |
| Oxidizing Properties  | N/A                    |                            |
| Explosive Properties  | N/A                    |                            |
| Explosion Limits      | N/A                    |                            |
| Vapor Pressure        | N/A                    |                            |
| SG/Density            | N/A                    |                            |
| Partition Coefficient | N/A                    |                            |
| Viscosity             | N/A                    |                            |
| Vapor Density         | N/A                    |                            |
| Saturated Vapor Conc. | N/A                    |                            |
| Evaporation Rate      | N/A                    |                            |
| Bulk Density          | N/A                    |                            |
| Decomposition Temp.   | N/A                    |                            |
| Solvent Content       | N/A                    |                            |
| Water Content         | N/A                    |                            |

|                    |     |
|--------------------|-----|
| Surface Tension    | N/A |
| Conductivity       | N/A |
| Miscellaneous Data | N/A |
| Solubility         | N/A |

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## 10 - Stability and Reactivity

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### STABILITY

Stable: Stable.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Nature of decomposition products not known.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

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## 11 - Toxicological Information

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### SENSITIZATION

Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

### SIGNS AND SYMPTOMS OF EXPOSURE

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

### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

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## 12 - Ecological Information

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No data available.

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## 13 - Disposal Considerations

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### SUBSTANCE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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## 14 - Transport Information

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### RID/ADR

Non-hazardous for road transport.

### IMDG

Non-hazardous for sea transport.

### IATA

Non-hazardous for air transport.

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## 15 - Regulatory Information

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## 16 - Other Information

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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