

# SAFETY DATA SHEET

## Biogen Solid

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name                      Biogen Solid

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses                      Enzyme Treatment

#### 1.3. Details of the supplier of the safety data sheet

Supplier                              Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com

#### 1.4. Emergency telephone number

Emergency telephone              +44 (0)7831 300868

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards                      Not Classified

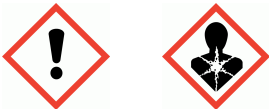
Health hazards                        Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 STOT SE 3 - H335

Environmental hazards              Not Classified

Classification (67/548/EEC or 1999/45/EC)      R42. Xi;R36/37/38.

#### 2.2. Label elements

##### Pictogram



Signal word                              Danger

Hazard statements                      H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statements              P260 Do not breathe dust.  
P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective clothing and gloves.  
P501 Dispose of contents/container in accordance with local regulations.  
P102 Keep out of reach of children.

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**Supplemental label information** RCH002b For professional users only.

**Contains** Proteases with the exception of those specified elsewhere in the ASL, Lipase, Cellulase, AMYLASE, alpha

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>Proteases with the exception of those specified elsewhere in the ASL</b>	<b>5-10%</b>
CAS number: —	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
STOT SE 3 - H335	
<b>AMYLASE, alpha</b>	<b>5-10%</b>
CAS number: 9000-90-2                      EC number: 232-565-6	
<b>Classification</b>	
Resp. Sens. 1 - H334	<b>Classification (67/548/EEC or 1999/45/EC)</b>
	R42
<b>Cellulase</b>	<b>5-10%</b>
CAS number: —	
<b>Classification</b>	
Resp. Sens. 1 - H334	
<b>Lipase</b>	<b>5-10%</b>
CAS number: 9001-62-1                      EC number: 232-619-9	
<b>Classification</b>	
Resp. Sens. 1 - H334	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Consult a physician for specific advice.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
<b>Skin contact</b>	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

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**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation** Shortness of breath. Development of symptoms may be delayed for 24 to 48 hours. Coughing.

**Ingestion** Pain or irritation.

**Skin contact** May cause irritation. Redness.

**Eye contact** Irritating. Redness.

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

**Notes for the doctor** Treat symptomatically.

**Specific treatments** Provide eyewash station.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to cool containers. Avoid dust spreading.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** May produce an allergic reaction.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid contact with skin or inhalation of spillage, dust or vapour.

**Special protective equipment for firefighters** Wear chemical protective suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge onto the ground or into water courses. Prevent entry into drains. Avoid generation and spreading of dust.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Flush away spillage with plenty of water. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Flush spilled material into suitable retaining areas or container with large quantities of water.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Usage precautions** Read and follow manufacturer's recommendations. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Not available.

### 8.2. Exposure controls

**Appropriate engineering controls** Provide sufficient ventilation for operations causing dust formation.

**Personal protection** When using do not smoke

**Eye/face protection** The following protection should be worn: Chemical splash goggles.

**Hand protection** Use protective gloves.

**Other skin and body protection** Wear apron or protective clothing in case of contact. Provide eyewash station and safety shower.

**Hygiene measures** Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection** Wear a suitable dust mask. Particulate filter, type P3.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Dusty powder.

**Odour** Characteristic.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable at normal ambient temperatures and when used as recommended.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Decomposition may occur on exposure to conditions or materials listed below. Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

**Conditions to avoid** Not known.

### 10.5. Incompatible materials

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**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Not known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** May cause sensitisation by inhalation. Shortness of breath. Development of symptoms may be delayed for 24 to 48 hours.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident. Irritating.

**Skin contact** Slightly irritating. Redness.

**Eye contact** Irritating to eyes. Redness.

## SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not applicable.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Following dilution, discharge to the sewer with plenty of water may be permitted.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

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Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010.
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

<b>Revision date</b>	24/06/2015
<b>Revision</b>	1
<b>SDS number</b>	10482
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R36 Irritating to eyes. R36/37/38 Irritating to eyes, respiratory system and skin. R42 May cause sensitisation by inhalation.
<b>Hazard statements in full</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.