



Trade name: Ultrazym 100G

Substance number: 277000

Version: 1 / CH

Date revised: 15.06.12

Replaces Version: - / CH

Date of printing: 15.06.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Ultrazym 100G

Item-No. 27700000

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

#### Use of the substance/preparation

food industry

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

#### Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS

### 1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Resp. Sens. 1 H334

#### Classification in accordance with EC directives

Classification R42

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### 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.  
P285 In case of inadequate ventilation wear respiratory protection.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.



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P501.3 Disposal in compliance with local and national regulations.

**Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

**Hazard symbols**

Harmful

**R phrases**

42 May cause sensitization by inhalation.

**S phrases**

23 Do not breathe vapours/aerosols.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

**Hazardous component(s) to be indicated on label**

contains Polygalacturonase

**3. Composition/information on ingredients****Hazardous ingredients****Polygalacturonase**

CAS No. 9032-75-1

EINECS no. 232-885-6

Concentration &gt;= 10 &lt; 25 %

Classification Xn, R42

Classification (Regulation (EC) No. 1272/2008)

H334

**4. First aid measures****4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible).

**After inhalation**

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

**After skin contact**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**After ingestion**

Rinse out mouth and give plenty of water to drink. By continuous complaints consult a physician.



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## **5. Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Alcohol-resistant foam, Water mist, Dry chemical extinguisher, Carbon dioxide

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

## **6. Accidental release measures**

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

Wear protective equipment

### **6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Avoid raising dust. Take up mechanically and collect in suitable container for disposal. Rinse away rest with plenty of water. Ensure adequate ventilation.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid formation of aerosols. Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary). Provide exhaust ventilation if dust is formed.

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

#### **Recommended storage temperature**

Value 0.0 - 25 °C

#### **Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

## **8. Exposure controls/personal protection**

### **8.2. Exposure controls**

#### **General protective and hygiene measures**

Observe the usual precautions when handling chemicals.

#### **Respiratory protection**

If ventilation insufficient, use a respiratory protection apparatus.

#### **Hand protection**

gauntlets

#### **Eye protection**

Safety glasses with side protection shield

## **9. Physical and chemical properties**

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

Form

Granules



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<b>Colour</b>	whitish
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## **10. Stability and reactivity**

### **10.5. Incompatible materials**

None

### **10.6. Hazardous decomposition products**

None

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute oral toxicity**

Species	rat		
LD50	>	2	g/kg

#### **Subacute, subchronic, chronic toxicity**

Remarks	None
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## **12. Ecological information**

### **12.1. Toxicity**

#### **Fish toxicity**

>	100	mg/l
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#### **Daphnia toxicity**

EC50	>	100	mg/l
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#### **Algae toxicity**

IC50	>	100	mg/l
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### **12.2. Persistence and degradability**

#### **Biodegradability**

Remarks	The organic component of the product is biodegradable.
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## **13. Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

#### **Disposal recommendations for packaging**

Dispose of as unused product.

## **14. Transport information**

### **Land transport ADR/RID**

Non-dangerous goods

### **Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

### **Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.



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## **15. Regulatory information**

## **16. Other information**

### **R-phrases listed in chapter 3**

42 May cause sensitization by inhalation.

### **Hazard statements listed in chapter 3**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### **Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.