

# Safety data sheet

according to Regulation (EC) No. 1907/2006

# Schliessmann Schwäbisch Hall

Date: 20.09.2017

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

### 1.1 Product identifier

Product name: Enzympräparate, trocken / Enzyme preparations, powdered  
(Natuzym-WM, -WG, -CM, -L, -Arom, -Filtration; Glucoseoxidase;  
Lysozym; Pectin-EX 100; Membranreinigungsenzym)

Article: please see specification of the product  
Chemical name: Enzyme preparations, powder  
Registration number: See section 3 for substances contained in the mixture

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Processing aid for food manufacturing: Preparation of fruit juices, wines and distilling mashes from fruits

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

Company: C. Schliessmann Kellerei-Chemie GmbH & Co KG  
Auwiesenstr. 5, D-74523 Schwäbisch Hall  
Tel. 0049-(0)791 / 97191 -0, Fax -25  
E-Mail: service@c-schliessmann.de

**1.4 Emergency telephone number** Poison centre Freiburg: Tel. 0049-(0)761 / 19240

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### 2.2 Label elements according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word:

**DANGER**

**Hazardous component:** Enzyme protein

**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.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor

**2.3 Other hazards** No informations available

## 3. Composition/information on ingredients

**3.1 Substance** The product is a mixture.

<b>3.2 Mixtures</b>	Powdered mixtures of up to 90% maltodextrin and enzyme protein
Dangerous component:	pectinase, lysozyme, $\beta$ -glucanase, $\beta$ -glucosidase, glucoseoxidase
EC Number:	232-894-5, 232-620-4, 232-968-7, 232-589-7, 232-601-0
CAS:	9033-35-6, 12650-88-3, 9073-49-8, 9001-22-3, 9001-37-0
Reg.nr.:	not available
Classification:	Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Content:	<30%; lysozyme up to 100%

## 4. First aid measures

### 4.1 Description of first aid measures

After inhalation:	Remove from exposure into fresh air immediately and rest in a position comfortable for breathing. If irritation of the respiratory system or allergic symptoms occur, consult a doctor.
After skin contact:	Wash off with soap and water. Remove dirty clothing. Medical treatment in case of skin irritation.
After eye contact:	Rinse opened eye for 10 minutes under running water. Consult a doctor in case of eye irritation.
After swallowing:	Rinse out mouth and drink 2 glasses of water. Seek medical advice in case of allergic reaction of the respiratory system.

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

After inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
After skin contact:	No known significant effects or critical hazards.
After eye contact:	Slight irritation possible.
After swallowing:	No known significant effects or critical hazards.

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

Contact poison treatment or allergen specialist immediately if large quantities have been inhaled or ingested.

## 5. Firefighting measures

<b>5.0 Combustibility</b>	The product is combustible.
<b>5.1 Suitable extinguishing agents</b>	Foam, powder, CO <sub>2</sub> or water spray.
<b>5.2 Special hazards arising from the substance or mixture</b>	Formation of carbon oxides. Risk of a dust explosion.
<b>5.3 Advice for firefighters</b>	Extinguishing activities according to the environment; wear self-contained respiratory protective device, avoid inhaling dust of the product.

## 6. Accidental release measures

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

Avoid formation and inhaling of dust.

<b>6.2 Environmental precautions</b>	Disposal after spillage by solution and dilution with water into an approved sewer.
<b>6.3 Methods and material for containment and cleaning up</b>	Mop or sweep up and clean with plenty water.
<b>6.4 Reference to other sections</b>	See Section 13 for disposal information.

## 7. Handling and storage

<b>7.1 Precautions for safe handling</b>	Avoid formation of dust. See notes in Section 2 and 8.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep closed and dry at 15-25°C.
<b>7.3 Specific end use(s)</b>	See section 1.2

## 8. Exposure controls/personal protection

### 8.1 Control parameters

The product contains no relevant quantities of substances for WEL.

### 8.2 Exposure controls

Personal protective equipment:

Respiratory protection:

Suitable respiratory equipment when dusts/aerosols are generated.  
Filter-type P3

Eye protection:

Safety goggle with side protection.

Skin protection:

Impermeable protective gloves.

General hygiene considerations:

In accordance with good industrial hygiene and safety practices.  
Application of skin-protective barrier cream recommended. Wash hands after working with substance.

## 9. Physical and chemical properties

Physical state:	Solid, granulated powder
Colour:	Slightly brown
Odour:	Typical for fermentation products.
pH-value:	Not available
Melting temperature:	Combustion
Boiling temperature:	Not available
Ignition temperature:	Not available
Flash point:	Not available
Danger of explosion:	Not available
Vapour pressure:	Not available
Relative vapor density:	Not available
Density:	Not available
Bulk density:	Not available
Solubility in water:	Readily soluble in water

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	See section 10.3
<b>10.2 Chemical stability</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	Risk of dust explosion.
<b>10.4 Conditions to avoid</b>	No information available.
<b>10.5 Incompatible materials</b>	No information available.
<b>10.6 Hazardous decomposition products</b>	In case of fire: see section 5.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (enzyme protein):

LD50 (oral, rat): >2g/kg  
(not toxic)

Subacute/chronic toxicity:

Once sensitized, a strong allergic reaction of the respiratory system may occur following a subsequent exposure to very low levels.

CMR effects:

Mutagenicity:

No classification as mutagenic or teratogenic toxicant.

Carcinogenicity:

No classification as carcinogenic toxicant.

Reproductive toxicity:

No classification as reproductive toxicant.

### 11.2 Further information

See section 4 for symptoms after direct contact with the product

## 12. Ecological information

### 12.1 Aquatic toxicity

Not toxic for water organisms, but no exact data available.

### 12.2 Persistence and degradability

Readily biodegradable.

<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	No data available.
<b>12.6 Other adverse effects</b>	No further relevant information available.

### 13. Disposal considerations

Disposal by flushing with water into an approved sewer or according to official regulations. Little quantities may be rinsed away with plenty of water.

### 14. Transport information

Not subject to transport regulations. NOT CLASSIFIED AS DANGEROUS GOODS.

### 15. Regulatory information

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

Information about limitation of use: /

Waterhazard class: Not hazardous for water.

### 16. Other information

The informations provided on this SDS are correct to the best of our knowledge and information. These informations are designed as a guide for safe handling. They are no guarantee for specific characteristics of the product.