

Trade name: Amylum oryzae

Substance number: 090126

Version: 1 / CH

Date revised: 17.05.2019

Replaces Version: - / CH

Print date: 17.05.19

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

1.1. Product identifier

Amylum oryzae

Item No. 09012600

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

Use of the substance/preparation

food additive

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

Further ingredients

Starch

CAS No. 9005-25-8

EINECS no. 232-679-6

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

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In case of contact with skin wash off with water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

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

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Dry powder, Carbon dioxide

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale dust. Avoid dust formation.

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid the formation and deposition of dust. Do not inhale dust. Take action to prevent static discharges. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

The product is capable of dust explosions.

Classification of fires / temperature class / Ignition group / Dust explosion class

Dust explosion class Capable of dust explosion

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed and dry.

Storage classes

Storage class according to TRGS 510 13 Non- combustible solids

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Storage category (Switzerland)

NG

Other solid hazardous substances
without hazardous
classification/labelling

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Starch

List	SUVA	
Type	MAK	
Value	3	mg/m ³
Status: 2017; Remarks: Haut s. 1.8.2		

8.2. Exposure controls

General protective and hygiene measures

Do not breathe dust. Do not smoke during work time.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P1

Eye protection

Safety glasses with side protection shield

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Powder
Colour	white to beige
pH value	
Value	5 to 8
Remarks	Suspension in water
Melting point	
Remarks	Not applicable
Flash point	
Remarks	Not applicable
Vapour pressure	
Remarks	No data available
Solubility in water	
Remarks	virtually insoluble
Partition coefficient: n-octanol/water	
pOW	<= 4
Ignition temperature	
Value	> 380 °C
Minimum ignition energy	
Minimum ignition energy	> 10 MJ

9.2. Other information

Bulk density

Value	appr. 300 to 600	kg/m ³
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Other information

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The product is capable of dust explosions.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Protect from atmospheric moisture and water.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Starch

LD50	>	2000	mg/kg
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Acute dermal toxicity

Remarks	None
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Skin corrosion/irritation

Remarks	No effect of irritation known.
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Serious eye damage/irritation

evaluation	non-irritant
Remarks	Eye contact with the product may lead to irritation.

SECTION 12: Ecological information

12.1. Toxicity

General information

No data available

12.2. Persistence and degradability

General information

No data available

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water

pOW	<=	4
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12.4. Mobility in soil

General information

No data available

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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****Starch**

The product contains no PBT or vPvB substances.

SECTION 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

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 1
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Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
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SECTION 16: Other information**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.