

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date Aug 30, 2019

Date of compilation: Aug 30, 2019

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

1.1 Product identifier

Trade name: Dextranase

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

No further relevant information available.

Application of the substance / the mixture

Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Cellendes GmbH

Markwiesenstr. 55

72770 Reutlingen

Telephone: +49 7121 15940 0

Fax: +49 7121 15940 99

info@cellendes.com

www.cellendes.com

Informing department:

Dr. Helmut Wurst

Telephone: +49 7121 15940 0

1.4 Emergency telephone number:

Dr. Helmut Wurst

Telephone: +49 7121 15940 0 (8 - 16 hour)

National Poisons Information Service (Birmingham Unit)

Telephone: +44 121 507 4123

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Void

Hazard pictograms

Void

Signal word

Void

Hazard statements

Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable.

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SECTION 3: Composition/information on ingredients

3.1 Substance

Synonym: 1,6- α -D-Glucan 6-gluconohydrolase**Dangerous components:**

Void

SECTION 4: SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special measures required.

After inhalation

Seek medical treatment in case of complaints.

After skin contact

Instantly rinse with water.

After eye contact

Rinse opened eye for several minutes under running water.

After swallowing

Rinse mouth with water

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

The product is not flammable

For safety reasons unsuitable extinguishing agents

Not applicable

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

No special measures required.

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SECTION 6: SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see Section 8.

6.2 Environmental precautions:

Do not let substance enter drains

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
For precautions see Section 2.2.

Information about protection against explosions and fires:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

≤2 months: 4°C

>2 months: -80°C

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Storage class

12

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice

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Personal protective equipment**General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

Recommended thickness of the material:

≥0.10 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:

PVC gloves

Not suitable are gloves made of the following materials:

Strong gloves

Leather gloves

Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU)

Body protection:

Protective work clothing.

Environmental exposure controls

Do not let substance enter drains.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: liquid

Colour: brown

Odour: Not determined

Odour threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not determined

Inflammability (solid, gaseous) Not determined

Ignition temperature:

Decomposition temperature: Not determined

Self-inflammability:

Product is not selfigniting.

Danger of explosion:

Product is not explosive.

Critical values for explosion:

Lower: Not determined

Upper: Not determined.

Vapour pressure at 20 °C:

Not determined

Density

Not determined

Relative density

Not determined

Vapour density

Not determined.

Evaporation rate

Not determined

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined

Viscosity:

dynamic: Not determined

kinematic: Not determined

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available

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10.2 Chemical stability**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

No data available

Primary irritant effect:**Skin corrosion/irritation**

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

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SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licenced disposal company.

Uncleaned packagings:**Recommendation:**

Disposal must be made according to official regulations.

SECTION 14: Transport information**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

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14.4 Packing group**ADR, IMDG, IATA**

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications

UN "Model Regulation":

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchand

ses dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulati