

Remy rice starches

Version 1.0
Revision Date 03.06.2015

Print Date 04.06.2015

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

1.1 Product identifier

Trade name : **Remy rice starches**

Remy B, Remy B7, Remy B7 AA, Remy B7-F, Remy B7-N, Remy B CF, Remy B-KA, Remy B-KA-EP, Remy DR, Remy DR-08, Remy DR7-111, Remy DR-KA, Remy DR-KA-EP, Remy DR-LA, Remy DR-N, Remy ODR 6, Remyline AX-DR, Remyline AX-DR BF, Remyline AX-DR-LM, Remyline DR, Remyline DR BF, Remyline MX, Remyline XS, Remyline XS-B, Remyline XS BF, Remygel 542, Remygel 552, Remygel 552 AXO-2, Remygel 6-241 DP35, Remygel 652, Remygel 652-B, Remygel 7-111, Remygel 7-331, Remygel SY, Fiore B, Fiore C, WR-1, WR-2

REACH Registration Number : This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

CAS-No. : 9005-25-8

EC-No. : 232-679-6

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

Use of the Substance/Mixture : Food ingredient

1.3 Details of the supplier of the safety data sheet

Company : BENEEO-Remy
Remyaan 4
BE - 3018 Leuven-Wijgmaal

Telephone : +3216248511

Telefax : +3216440144

E-mail address : info-MSDS@beneo-group.com

Responsible/issuing person : CRDS EH&S Ochsenfurt (*info-msds@suedzucker.de*)

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Emergency telephone number : +3216248511 (Mo-Fr: 8 a.m. - 3 p.m.)

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2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC or 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Since the substance or preparation doesn't meet the criteria of Article 31 of the REGULATION (EC) No 1907/2006 (REACH), a Safety Data Sheet is legally not required.

2.3 Other hazards

Dust may form explosive mixture in air.

3. Composition/information on ingredients

3.1 Substances

Synonyms : Amylum Oryzae

Chemical nature : rice starch

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration W/W [%]
Substances with a workplace exposure limit :		
starch	9005-25-8 232-679-6	<= 100

4. First aid measures

4.1 Description of first aid measures

General advice : The product is not toxic.

If inhaled : Fresh air. If symptoms persist, call a physician.

In case of skin contact : Wash off with plenty of water.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.

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If eye irritation persists, consult a specialist.
If swallowed : Rinse mouth with water. No hazards which require special first aid measures.

4.2 Most important symptoms and effects, both acute and delayed

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet, Dry powder, Carbon dioxide (CO₂),

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Combustible material. Development of hazardous combustion gases or vapours possible in the event of fire.
Fire may cause evolution of: Carbon dioxide (CO₂) Carbon monoxide (CO)

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing dust. Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Take up dry (mechanical). Forward for disposal. Clean up

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affected area. Avoid dust formation.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid dust formation. Do not breathe dust.
- Advice on protection against fire and explosion : Take precautions against dust explosion. Keep workplaces clean, avoid dust accumulation. Keep away from sources of ignition - No smoking. Observe explosion protection regulations!
- Dust explosion class : St1

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep in a dry place. Protect from moisture.
- Further information on storage conditions : Storage temperature: no restrictions.
- German storage class : 10-13 German Storage Class 10 to 13

7.3 Specific end use(s)

: This information is not available.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
starch	9005-25-8	TLV 8 hr	10 mg/m ³	Belgium. Occupational exposure limit values
		TWA (alveolate dust)	3 mg/m ³	Switzerland. Limit values at the work place
		TWA (Total dust)	4 mg/m ³	Czech Republic. Chemical agents at work - Appendix 2 OEL
		VLA-ED	10 mg/m ³	Spain. Environmental Limits for exposure to Chemical agents - OEL

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		TWA (inhalable dust)	10 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits
		OELV - 8 hrs (TWA) (Respirable dust)	4 mg/m ³	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1
		VLE-MP	10 mg/m ³	Portugal. Security and Health at the Workplace - OEL

TWA = Time Weighted Average
STEL = Short Time Exposure
OEL = Occupational Exposure Limit

8.2 Exposure controls

Personal protective equipment

- Respiratory protection : Respirator must be worn if exposed to dust.
Suitable mask with particle filter P1 (EN 143)
- Hand protection : not required
- Eye protection : Safety glasses with side-shields
(in case of dust exposure)
- Hygiene measures : Wash hands before breaks and at the end of workday.
- Protective measures : Do not breathe dust. When using do not smoke.

Environmental exposure controls

- General advice : No special environmental precautions required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Form : powder,
- Colour : white
- Odour : neutral
- Flash point : Not applicable
- Ignition temperature : > 380 °C
(grain size: 80 % < 32 µm)
- Lower explosion limit : Dust may form explosive mixture in air.

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	30 g/m ³ (grainsize: 100 % < 63 µm)
Upper explosion limit	: No data available
Minimum ignition energy (MIE)	: > 10 mJ
Auto-ignition temperature	: Not applicable
pH (100,0 g/l)	: ca. 5 - 8 (at 20 °C) (aqueous suspension)
Melting point/range	: Not applicable
Boiling point/boiling range	: Not applicable
Density	: No data available
Bulk density	: ca. 300 - 600 kg/m ³
Water solubility	: practically insoluble (at 20 °C) forms colloidal solution in hot water
Partition coefficient: n-octanol/water	: Not applicable

9.2 Other information

10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Like most organic material in powder form, the product can form explosive dust-air mixtures when finely dispersed in air.

10.4 Conditions to avoid

Conditions to avoid : Strong heating (decomposition).
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Protect from moisture.

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10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents,

10.6 Hazardous decomposition products

Thermal decomposition : ca. 200 °C

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 : > 2.000 mg/kg
The product is a food ingredient and has no acute oral toxicity.

Skin corrosion/irritation

Skin irritation : No skin irritation

Serious eye damage/eye irritation

Eye irritation : No eye irritation
Mechanical irritation of the eyes is possible.

Respiratory or skin sensitisation

Sensitisation : No sensitizing effects known.

Target Organ Systemic Toxicant - Single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Target Organ Systemic Toxicant - Repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Further information : Health injuries are not known or expected under normal use.

12. Ecological information

12.1 Toxicity

Toxicity to fish : LC50:
No data available

12.2 Persistence and degradability

Biodegradability : No data available

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12.3 Bioaccumulative potential

Bioaccumulation : No bioaccumulation is to be expected (log Pow <= 4).

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological information : We have no quantitative data concerning the ecological effects of this product. Ecological injuries are not known or expected under normal use.

13. Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Smaller quantities can be disposed of with household waste.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

15. Regulatory information

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

Major Accident Hazard Legislation : Not listed

REACH - List of substances subject to authorisation (Annex XIV) : Not listed

REACH - Restrictions on the manufacture, placing on the : Not listed

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market and use of certain
dangerous substances,
preparations and articles
(Annex XVII)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

16. Other information

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.