

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006,  
as amended by Commission Regulation (EU) 2020/878

**LINECO PURE RICE STARCH**

Version  
4.0

Revision Date:  
24.03.2025

Date of last issue: 22.02.2022  
Date of first issue: 09.06.2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : **LINECO Pure Rice Starch/Belgian Rice Starch, L615-1502, L615-1508**  
Remygel 14-552, Remygel 663, Remygel 7-211, Remygel 7-211 TK-Starch

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

**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 : **BENEO-Remy** Lineco  
Remylaan 4 517 Main Street, PO Box 101  
3018 Leuven-Wijgmaal, BE Holyoke, MA 01041-0101

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

Telephone : +3216248511

Telefax : +3216440144

E-mail address of person responsible for the SDS : CCEHS / chemicals management  
([info-msds@suedzucker.de](mailto:info-msds@suedzucker.de))

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

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

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

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**2.3 Other hazards**

Dust may form explosive mixture with air.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical nature : modified starch

**Components**

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

**SECTION 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.  
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water.  
If symptoms persist, call a physician.

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

Symptoms : No information available.

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

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting : Combustible material.  
Development of hazardous combustion gases or vapours possible in the event of fire.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
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.

**SECTION 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 material for containment and cleaning up**

Methods for cleaning up : Take up dry (mechanical). Forward for disposal. Clean up affected area.  
Avoid dust formation.

**6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

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

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- Advice on safe handling : Avoid dust formation.  
Do not breathe dust.  
Provide adequate ventilation.
- 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!
- Hygiene measures : Wash hands before breaks and at the end of workday.
- 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.

**7.3 Specific end use(s)**

- Specific use(s) : This information is not available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
starch	9005-25-8	TLV 8 hr	10 mg/m <sup>3</sup>	Belgium. Occupational exposure limit values
		TWA (alveolate dust)	3 mg/m <sup>3</sup>	Switzerland. Limit values at the work place
		VLA-ED	10 mg/m <sup>3</sup>	Spain. Environmental Limits for exposure to Chemical agents - Table 1: Occupational Exposure Values
		TWA (inhalable dust)	10 mg/m <sup>3</sup>	UK. EH40 WEL - Workplace Exposure Limits
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m <sup>3</sup>	Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2

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**8.2 Exposure controls****Personal protective equipment**

- Eye/face protection : Safety glasses with side-shields  
(in case of dust exposure)
- Hand protection : not required
- Respiratory protection : Respirator must be worn if exposed to dust.  
Suitable mask with particle filter P1 (EN 143)
- Protective measures : Do not breathe dust.  
When using do not smoke.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state : powder
- Colour : white
- Odour : neutral - slightly acidic
- Melting point/ range : No data available
- Boiling point/boiling range : No data available
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : Dust may form explosive mixture with air.  
30 g/m<sup>3</sup>  
(grainsize: 100 % < 63 µm)
- Flash point : No data available
- Minimum ignition temperature : > 380 °C  
(grainsize: 80 % < 32 µm)
- Decomposition temperature : ca. 200 °C

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pH	:	ca. 5 - 8 (aqueous suspension)
Viscosity, kinematic	:	Not applicable
Water solubility	:	practically insoluble (20 °C)
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Density	:	No data available
Bulk density	:	ca. 300 - 600 kg/m <sup>3</sup>
Particle Size Distribution	:	For further details on particle size/particle size distribution, see the corresponding product information.

**9.2 Other information**

Explosives	:	Not explosive May form explosive dust-air mixture during processing, handling or other means.
Self-ignition	:	Not applicable
Dust explosion class	:	St1
Minimum ignition energy	:	> 10 mJ

**SECTION 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**

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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 : Avoid dust formation.  
Strong heating (decomposition).  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Protect from moisture.

**10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents

**10.6 Hazardous decomposition products**

No data available

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity****Product:**

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

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Product:**

Remarks : Mechanical irritation of the eyes is possible.

**Respiratory or skin sensitisation****Skin sensitisation**

Based on available data, the classification criteria are not met.

**Respiratory sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

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**STOT - single exposure**

Based on available data, the classification criteria are not met.

**STOT - repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration toxicity**

Based on available data, the classification criteria are not met.

**11.2 Information on other hazards****Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Further information**

Quantitative data on the toxicity of this product are not available to us.  
Health injuries are not known or expected under normal use.

**SECTION 12: Ecological information****12.1 Toxicity****Product:**

Toxicity to fish : LC50 : No data available

**12.2 Persistence and degradability**

Biodegradability : No data available

**12.3 Bioaccumulative potential**

No data available

**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 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

We have no quantitative data concerning the ecological effects of this product.

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Ecological injuries are not known or expected under normal use.

**SECTION 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.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

**14.2 UN proper shipping name**

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

**14.4 Packing group**

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

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**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Water hazard class (Germany) : nwg not water endangering  
*Classification according to AwSV, §3 Abs. 3*

**15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

**SECTION 16: Other information****Full text of other abbreviations**

BE OEL / TLV 8 hr : Long term exposure limit  
CH SUVA / TWA : Time Weighted Average

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ES VLA / VLA-ED : Environmental Daily Limit Value  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

Sources of key data used to compile the Safety Data Sheet : Internal technical data, raw material data from MSDS, Search results from the European Chemicals Agency (<http://echa.europa.eu>)

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.

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