

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 3 Apr 2026

Print date: 13 Apr 2026

Version: 13



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

1.1. Product identifier

Trade name/designation:

Rapeseed expeller

Article No:

1130

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

Use of the substance/mixture:

Manufacture of food products

Relevant identified uses:

Life cycle stage [LCS]

M: Manufacture

F: Formulation or re-packing

IS: Use at industrial sites

PW: Widespread use by professional workers

Sector of uses [SU]

SU 1: Agriculture, forestry, fishery

SU 4: Manufacture of food products

Product Categories [PC]

PC 0: Other

Process categories [PROC]

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 5: Mixing or blending in batch processes

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

PROC 19: Manual activities involving hand contact

Environmental release categories [ERC]

ERC 1: Manufacture of the substance

ERC 2: Formulation into mixture (mixtures)

ERC 3: Formulation in materials

ERC 6a: Use of intermediate

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

German Biofuels GmbH

Am Hünengrab 9

16928 Pritzwalk/Germany

Germany

Telephone: +49 33986 5050

Telefax: +49 33986 50599

E-mail: info@gbfgmbh.de

1.4. Emergency telephone number

Produktion/Production, 24h: +49 172 56 82 831, +49 33986 50582 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

Special rules for supplemental label elements for certain mixtures:

No

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Description:

By-product that arises from the extraction of oil by pressing rapeseed.

Ingredients / Impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
	Crude protein The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	≥ 30 - ≤ 36 %
	Crude fiber The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	≥ 10 - ≤ 15 %
	Crude fat The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].	≥ 7 - ≤ 15 %

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

IF ON SKIN: Wash with plenty of water and soap.

IF ON CLOTHING: Change contaminated clothing.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Do NOT induce vomiting.

Rinse mouth thoroughly with water.

Never give anything by mouth to an unconscious person or a person with cramps.

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

May cause minor eye irritation.

Vapors produced by heating the substance, or finely misted materials, may irritate the mucous membranes and cause dizziness, and nausea.

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

No special medical actions required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂)

Water mist

alcohol resistant foam

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Extinguishing powder

Unsuitable extinguishing media:

Consider halon use may not be permissible in some countries.

5.2. Special hazards arising from the substance or mixture

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Formation of explosible dust/air mixtures

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

On danger by contact with substance: Wear protective gloves/protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove all sources of ignition.

Protective equipment:

Wear suitable protective clothing. Wash all protective clothing after use.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Pick up small spills with shovels and brooms and dispose properly.

Recover large spills for salvage or disposal by authorized personnel.

6.4. Reference to other sections

No data available

6.5. Additional information

If appropriate sections 8 and 13 shall be referred to.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Note: The substance is not classified as dangerous. Special risk management measures are not required. Nevertheless, the exposure of workers during and after normal work should be minimized by applying good industrial hygiene practices.

Direct contact with the substance should be avoided.

When using do not eat, drink or smoke.

Used working clothes should not be worn outside the work area.

Wash hands before breaks and after work.

Measures to prevent aerosol and dust generation:

Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in a cool dry place. Storage container have to be protected against pests, birds and rodents. The baits must be securely deposited in a way so as to minimise the risk of consumption by other animals.

Secure bait blocks so that they cannot be dragged away by rodents.

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place.

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Keep away from sources of ignition - No smoking.

Hints on storage assembly:

Do not store together with: Oxidizing agent

Storage class (TRGS 510, Germany): 10 - 13 - Other combustible and non-combustible substances

Further information on storage conditions:

Recommended storage temperature 15 °C - 25 °C

7.3. Specific end use(s)

Recommendation:

No sector specific guidance is available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

Wear eye/face protection.

Skin protection:

Hand protection: Disposable gloves

Suitable material: NBR (Nitrile rubber)

Other protection measures:

General health and safety measures: Wash hands and face before breaks and after work and take a shower if necessary.

Wash contaminated clothing before reuse.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: greenish

Odour: mild

flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		② Dissolved substance quantity: < 0.023 mg/l
Melting point	<i>not applicable</i>		
Freezing point	<i>not applicable</i>		
Initial boiling point and boiling range	<i>not applicable</i>		
Flash point	°C		
Evaporation rate	<i>No data available</i>		
Auto-ignition temperature	≈ 505 °C		
Upper/lower flammability or explosive limits	> 76 g/m ³		
Vapour pressure	<i>No data available</i>		
Density	<i>not applicable</i>		

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Parameter	Value	at °C	① Method ② Remark
Bulk density	≈ 0.6 g/cm ³	20 °C	
Water solubility	≈ 0.023 mg/L		
Partition coefficient: n-octanol/water	<i>not applicable</i>		
Dynamic viscosity	<i>not applicable</i>		
Kinematic viscosity	<i>not applicable</i>		

particle characteristics:

No data available

9.2. Other information

Danger of spontaneous combustion

Oxidising properties: Not oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

No known hazardous reactions.

10.2. Chemical stability

Substance is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. The manufacturer prevents the formation of fine dust by moistening.

10.4. Conditions to avoid

See incompatible materials.

10.5. Incompatible materials

Oxidising agent, strong

Alkali (lye), concentrated

10.6. Hazardous decomposition products

In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

No information required, as approved food and feed

Serious eye damage/irritation:

May cause minor eye irritation.

Respiratory or skin sensitisation:

Inhalation of dust may cause irritation of the respiratory system.

Aspiration hazard:

Not applicable.

11.2. Information on other hazards

Endocrine disrupting properties:

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No information required, as approved food and feed

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12.2. Persistence and degradability

Biodegradation:

Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water:

not applicable

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Mechanical-biological waste treatment is recommended.

Recycling is preferable to disposal.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

20 02 01	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (02) garden and park wastes (including cemetery waste) (01) biodegradable waste
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Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

Not classified for this transport carrier.

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SECTION 15: Regulatory information

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

15.1.1. EU legislation

Synthetic polymer microparticles

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006.

No synthetic microparticles are present.

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

The substance has NOT to be accounted to the tonnage threshold according EC Directive 2012/18/EU (Seveso III), annex 1 - part 2 (no. 34 e).

Substance/mixture is not VOC relevant.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compound (VOC) content: 0 weight-%

15.1.2. National regulations

[DE] National regulations

Störfallverordnung (12. BlmschV)

for substances contained in the product:

This product is not assigned to a hazard category.

Water hazard class

WGK:

nwg - non-hazardous to water

Source:

Self-classification according to AwSV (substance).

Other regulations, restrictions and prohibition regulations

Positivliste für Einzelfuttermittel, Pos. 2.11.03

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
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16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification, Labelling and Packaging
ERC	Environmental Release Category
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
NFPA	National Fire Protection Association
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PC	Product category
PROC	Process Category
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SU	use category
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

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16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

No data available

16.6. Training advice

No data available

16.7. Additional information

This SDS is not required by Article 31 of Regulation 1907/2006/EU as the substance is not classified as hazardous, however, to comply with Article 32 of REACH and provide customers with relevant information the format of the SDS (according to Regulation 2015/830/EU) has been used.

Given data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship.

* Data changed compared with the previous version.