

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 1/7



Rapeseed expeller

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

1.1. Product identifier

Trade name/designation:

Rapeseed expeller

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:

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

Telephone: +49 33986 5050

Telefax: +49 33986 50599

E-mail: qm@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].

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 components for labelling:

No

Hazard statements: -

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 2/7



Rapeseed expeller

Supplemental Hazard information (EU): -

Precautionary statements: -

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:

Byproduct formed during the production of crude vegetable oil from rapeseed. Biomass resulting from rapeseed after pressing and, in some cases additionally, treated by subsequent extraction of remaining oil using a solvent (hexane), followed by solvent removal.

Contains 30-40% crude protein, 10-15% crude fiber and 9-13% fats / oils.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

IF ON CLOTHING: Change contaminated, saturated 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.

After 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

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 and protective clothing.

5.4. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 3/7



Rapeseed expeller

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.

If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point.

Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Turn leaking containers leaktight up to prevent the escape of liquid.

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.

Avoid direct contact with the substance.

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.

Keep away from sources of ignition - No smoking.

Hints on storage assembly:

Do not store together with: Oxidizing agent

Storage class: 10 - 13 - Other combustible and non-combustible substances

Further information on storage conditions:

Recommended storage temperature 15 °C - 25 °C

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 4/7



Rapeseed expeller

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

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Granulate

Colour: greenish

Odour: mild

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			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>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point				
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	≈ 505 °C			
Upper/lower flammability or explosive limits	> 76 g/m ³			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	<i>not applicable</i>			
Bulk density	≈ 0.6 g/cm ³	20 °C		
Water solubility	≈ 0.023 mg/l			

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 5/7



Rapeseed expeller

parameter		at °C	Method	Remark
Partition coefficient: n-octanol/ water	<i>not applicable</i>			
Dynamic viscosity	<i>not applicable</i>			
Kinematic viscosity	<i>not applicable</i>			

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 toxicological effects

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.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No information required, as approved food and feed

12.2. Persistence and degradability

Biodegradation:

Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water:

not applicable

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 6/7



Rapeseed expeller

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Incineration is recommended.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

20 03 99	Municipal wastes not otherwise specified
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Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not classified for this transport way.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

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).

SAFETY DATA SHEET

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

Revision date: 09-Jan-2018

Print date: 09-Jan-2018

Version: 6

Page 7/7



Rapeseed expeller

15.1.2. National regulations

 **[DE] National regulations**

Water hazard class (WGK)

WGK:

nwg - nicht wassergefährdend

Source:

Self-classification according to AwSV (substance).

Other regulations, restrictions and prohibition regulations

Positivliste für Einzelfuttermittel, Pos. 2.11.04

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

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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]

Classification 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. Relevant R-, H- and EUH-phrases (Number and full text)

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 453/2010/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.