

1 Identification of the Substance / Mixture and the Supplier**1.1 Product identifier**

Product- / Tradename: **Rapeseed Meal Feed Stocks**
Product shape: **Substance**

1.2 Relevant identified usages of the substance or mixture and dissuaded usages**1.2.1 Relevant identified usages**

Animal feed

1.2.2 Dissuaded usages

Usages with a strong thermal heating, fire emergence.

Usages with resuspension, formation of explosive dust-air mixtures, formation of possibly harmful dust-air mixtures due to respirable dust.

1.3 Details of the supplier that provides the safety data sheet

Supplier / Manufacturer: **O. & L. Sels GmbH & Co. KG**
Street: **Düsseldorfer Straße 99 – 101**
Country code/zip code/city: **D – 41460 Neuss**
Contact for technical information: **Quality Management / Laboratory**
Phone: **+49 2131 / 2799 - 0**
Telefax: **+49 2131 / 275432**
E-Mail: **QM@sels.de**

1.4 Emergency Number

Universitätsklinikum Bonn +49 228 / 19240

2 Hazards Identification**2.1 Classification of the substance or mixture**

Not necessary. Not a dangerous product according to regulation (EG) no. 1272/2008.

2.2 Labelling elements

Labelling elements due to VO (EG) No. 1272/2008: **none**
Pictogram: **none**
Signalword: **none**
Hazard determining components for labelling: **none**

2.3 Other hazards

Results of the PBT- and vPvB-assessment:

- PBT: **Not applicable.**
- vPvB: **Not applicable.**

Dustiness due to particulate components of the product.

Dust explosion hazards. May form an explosive dust/air mixture when dispersed.

3 Composition / Information on Ingredients**3.1 Substances**

Main component of the substance: **Rapeseed Meal Feed Stocks**
CAS: **---**
EINECS: **---**

4 First Aid Measures**4.1 Description of first aid measures**

General instructions: **No particular substance-specific measures required.**
In case of inhalation: **In case of disorders due to inhaling particulate components of the product, get the person affected into fresh air.**
In case of contact with eyes: **In case of disorders, rinse both eyes for several minutes under running water, holding the eyelid open.**

4.2 Most important acute and delayed symptoms and effects

No further relevant information available.

4.3 Indications for any immediate medical attention or special treatment

No further relevant information available.

Rapeseed Meal Feed Stocks**5 Fire-Fighting Measures****5.1 Extinguishants**

Suitable extinguishants: **foam, carbon dioxide, extinguishing powder, sand, water**

If possible, avoid resuspension of the product while applying extinguishants. Resuspension can cause an explosive dust-air mixture.

Unsuitable extinguishing agents due to safety reasons: **none**

5.2 Specific hazards caused by the substance or mixture

Special hazards caused by the substance or its products of combustion:

Carbon monoxide and carbon dioxide are produced in case of fire.

5.3 Information on firefighting

For initial fires: Use fire extinguishers of fire class A.

Alert the fire brigade immediately in case of fire-spread. Access into the danger zone only with full protective clothing and self-contained breathing apparatus.

Endangered containers in the surrounding should be cooled with spray-water.

Avoid resuspension. Dust should be bound with spray-water.

6 Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency measures****6.1.1 Information for non-emergency personnel**

Avoid dust formation.

6.1.2 Information for emergency forces.

Avoid dust formation.

6.2 Environmental measures

none

6.3 Methods and material for retention and cleaning up

For larger quantities:

Avoid dust formation (e.g.: vacuum cleaners). Remove substance and dispose properly. Don't clean surfaces and clothing with compressed air.

For smaller quantities and remains:

Avoid dust formation. Sweep-up substance. Don't clean surfaces and clothing with compressed air.

6.4 Reference to other sections

Note information in sections no. 7, 8 and 13.

7 Handling and Storage**7.1 Precautions for safe handling**

Ignition risk when working with fire (welding, grinding etc.) on filled, empty or empty, uncleaned containers.

Aspirating conveyer technology.

Avoid dust formation.

7.2 Conditions for safe storage under consideration of incompatibilities

Requirements on storage rooms and containers: **Avoid resuspension.**

Storage category (according to VCI): **LGK 11 – Combustible solids**

7.3 Specific end use

Animal feed

8 Exposure Controls / Personal Protection Measures**8.1 Monitored parameters**

Not necessary. No hazardous substance.

8.2 Exposure Controls

Not necessary. No hazardous substance.

9 Physical and Chemical Characteristics**9.1 Information on basic physical and chemical characteristics**

State of aggregation: **solid, free-flowing**

Colour: **brown**

Rapeseed Meal Feed Stocks

Odour:	characteristic roast flavours
Odour treshold:	not specified
pH-value:	not specified
Melting point/freezing point:	not available
Boiling point and boiling range:	not available
Flashpoint:	not specified
Evaporation range:	not specified
Inflammability:	not specified
upper/lower inflammability- or explosion limits:	particulate matter may cause dust explosion
Vapour pressure (20 C):	not specified
Vapour density:	not specified
Relative density:	not specified
Solubility in lipophilic solvents:	insoluble
In water:	insoluble
Partition coefficient: n-Octanol/Water	not specified
Auto-ignition temperature:	not available
Decomposition temperature:	not specified
Viscosity (20 C):	not available
Explosive characteristics:	not specified
Oxidizing characteristics:	not specified

9.2 Other information

Ignition point:	500° C	Median < 63 µm
Temperature classification:	T2	
Glow temperature:	410 °C	Median < 250 µm
Heating value:	2	Median < 250 µm

10 Stability and Reactivity**10.1 Reactivity**

When properly used for the purpose intended, no hazardous reactivities are known.

10.2 Chemical stability

Under normal environmental conditions the product is chemically stable.

10.3 Possible hazardous reactions

Risk of ignition when exposed to strong heating.

Due to the presence of moisture, heating by bacterial activity is possible.

10.4 Conditions to avoid

Strong heating.

Presence of moisture and bacteria at the same time.

Electrostatic discharges.

10.5 Incompatible materials

No relevant information available.

10.6 Hazardous decomposition products

none

11 Toxicological Information**11.1 Information on toxicological effects**

Acute toxicity:	not specified
Skin irritation/corrosivity:	not specified
Severe eye irritation/damage:	not specified
Respiratory/skin sensitisation:	not specified
Germ-cell mutagenicity:	not specified
Carcinogenicity:	not specified



Reproductive toxicity: **not specified**
Specific target organ systemic toxicity (single exposure): **not specified**
Specific target organ systemic toxicity (repeated exposure): **not specified**
Aspiration hazard: **not specified**

12 Ecological Information

12.1 Toxicity

Aquatic toxicity: **Lethality of Goldorfen [lat.: Leuciscus idus] non reached in 48 h.**

12.2 Persistence and degradability

Product is completely bio-degradable.

12.3 Bioaccumulation potential

No relevant information available.

12.4 Mobility in soil

No relevant information available.

12.5 Results of the PBT- and vPvB assessment

Results of the PBT- and vPvB assessment:

PBT: **not specified**

vPvB: **not specified**

12.6 Other hazardous effects

No relevant information available.

13 Disposal Considerations

13.1 Waste treatment processes

The waste can be recycled and thermally recovered. Waste requires no particularly monitoring. Can be disposed of along with the domestic waste in accordance with the local regulations.

Waste entry according to list of waste (AVV): **02 03 04**

Uncleaned packagings: **disposal according to AVV 15 01**

14 Transport Information

ADR, ADN, IATA; ICAO; IMO; IMDG, RID: Not necessary. The product is not a hazardous material according to transport regulations.

14.1 UN-number

Not applicable.

14.2 Proper UN-shipping name

Not applicable.

14.3 Transport hazard class

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental Hazards

Not applicable.

14.6 Precautionary measures for the user

Not applicable.

14.7 Bulk transport according to appendix II of the MARPOL-Agreement and to the IBC-Code

Not applicable.

15 Regulatory Information

15.1 Regulations for safety, health and environment / specific legislation for the substance / mixture

15.1.1 EU-Regulations

Regulation (EG) No. 1907/2006 (REACH-regulation)

15.1.2 National regulations

Technical instructions on air quality (TA Luft)

Water pollution class (according to AwSV): **none**

15.2 Chemical safety assessment

For this product no chemical safety assessment has been carried out.

16 Other Information

For this product, a safety data sheet is not legally required. The information given in this material safety data sheet are no contractually committed product characteristics and based on our current state of knowledge. They are no product specifications. This material safety data sheet has specifically been created for the mentioned product and its use. Since the user's conditions for the correct use of the product are beyond the producer's control, the user himself has to take care that the relevant legislation has been complied with, when using the product.

List of abbreviations, acronyms and definitions:

ADN:	Europäisches Abkommen über die internationale Beförderung gefährlicher Güter auf Binnenwasserstraßen (European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR:	Europäisches Abkommen über die internationale Beförderung gefährlicher Güter auf der Straße (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
AwSV:	Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (German regulation on facilities for the handling of substances hazardous to water)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
i.S.:	im Sinne (according to)
LGK:	Lagerklasse (Storage Category)
MARPOL:	International Convention for Prevention of Marine Pollution from Ships
PBT:	Persistent Bioakkumulierend, Toxisch (persistent, bioaccumulative and toxic)
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID:	Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Regulation Concerning the International Carriage of Dangerous Goods by Rail)
UN-Nummer:	Kennnummer für gefährliche Stoffe (Identification No. for Dangerous Goods)
vPvB:	sehr persistent, sehr bioakkumulativ (very persistent, very bioaccumulative)

Literature References and Data Sources:

1. <http://gestis.itrust.de>
2. <http://acha.europa.eu>
3. <http://sels.de>