

# Safety Data Sheet

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

Gerstaecker 

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Version (Revision) :** 4.3.0 (4.2.0)

**Print date :** 30.06.2017

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

### 1.1 Product identifier

Gerstäcker - Leinoelfirnis

BOILED LINSEEDOIL ; CAS No. : 68649-95-6 ; EC No. : 272-038-8 ; REACH registration No. : 01-2119484875-20

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

#### Relevant identified uses

Coatings and paints, fillers, putties, thinners

### 1.3 Details of the supplier of the safety data sheet

**Supplier :** Gerstäcker Verlag GmbH

**Street :** Wecostraße 4

**Postal code/city :** 53783 Eitorf

**Telephone :** +49 22 43 / 88 99 5

**Telefax :** +49 22 43 / 88 94 5

**Information contact :** Gerstaecker.sdb@gerstaecker.com

### 1.4 Emergency telephone number

+49 (0) 55 1 – 19 24 0 (24 h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

None

### 2.2 Label elements

None

### 2.3 Other hazards

Spontaneous ignition possible through autoxidation of cloths soaked in the product.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Substance name :** BOILED LINSEEDOIL

**EC No. :** 272-038-8

**REACH No. :** 01-2119484875-20

**CAS No. :** 68649-95-6

**Purity :** ≥ 90 - < 100 % [mass]

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest.

#### In case of skin contact

Change contaminated, saturated clothing. Subsequently wash off with: Water and soap

#### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### After ingestion

# Safety Data Sheet

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

Gerstaecker 

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Version (Revision) :** 4.3.0 (4.2.0)

**Print date :** 30.06.2017

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

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

No information available.

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

None

### SECTION 5: Firefighting measures

Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.1 Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray

##### Unsuitable extinguishing media

High power water jet

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

None

#### 5.3 Advice for firefighters

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

#### 5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Provide adequate ventilation. See protective measures under point 7 and 8.

#### 6.2 Environmental precautions

No special environmental measures are necessary.

#### 6.3 Methods and material for containment and cleaning up

Take up mechanically. Wipe up with absorbent material (eg. cloth, fleece). Clean with detergents. Avoid solvent cleaners.

#### 6.4 Reference to other sections

None

### SECTION 7: Handling and storage



#### 7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Working places should be designed to allow cleaning at any time.

##### Protective measures

No special handling advices are necessary.

##### Measures to prevent fire

Usual measures for fire prevention.

##### Measures to prevent aerosol and dust generation

No special measures are necessary.

##### Environmental precautions

Shafts and sewers must be protected from entry of the product.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Hints on joint storage

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Version (Revision) :** 4.3.0 (4.2.0)

**Print date :** 30.06.2017

**Storage class (VCI):** 10

**Storage class (TRGS 510) :** 10

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

None

#### DNEL/DMEL and PNEC values

##### DNEL/DMEL

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 41,7 mg/kg

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 14,5 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Langzeit - systemisch

Limit value : 8,33 mg/kg

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Langzeit - systemisch

Limit value : 69,4 mg/kg

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Langzeit - systemisch

Limit value : 49 mg/m<sup>3</sup>

### 8.2 Exposure controls

When using do not eat, drink, smoke, sniff.

#### Personal protection equipment

##### Eye/face protection

Eye protection: not required.

##### Skin protection

###### Hand protection

**Suitable gloves type :** Gloves with long cuffs

**Suitable material :** NBR (Nitrile rubber)

**Breakthrough time :** >= 480 min

**Thickness of the glove material :** 0,5 mm

**Recommended glove articles :** DIN EN 374

**Additional hand protection measures :** Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Remark :** The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

###### Body protection

Only wear fitting, comfortable and clean protective clothing.

**Recommended material :** Natural fibres (e.g. cotton) heat-resistant synthetic fibres

##### Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation.

**Suitable respiratory protection apparatus**

# Safety Data Sheet

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

Gerstaecker 

Trade name : Gerstäcker - Leinoelfirnis

Revision date : 21.07.2016

Version (Revision) : 4.3.0 (4.2.0)

Print date : 30.06.2017

not relevant

## General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** yellow-orange

**Odour :** characteristic

#### Safety relevant basis data

<b>Melting point/melting range :</b>			-4,0	°C	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	>	300,0	°C	
<b>Decomposition temperature :</b>		>	300,0	°C	
<b>Flash point :</b>		approx.	163,0	°C	DIN 51755 part 1
<b>Ignition temperature :</b>			420,0	°C	
<b>Oxidising liquids :</b>					Not applicable.
<b>Lower explosion limit :</b>					none
<b>Upper explosion limit :</b>					none
<b>Explosive properties :</b>					Not applicable.
<b>Vapour pressure 20°C):</b>	( 20 °C )				No data available
<b>Density :</b>	( 20 °C )	approx.	0,936	g/cm <sup>3</sup>	
<b>Water solubility :</b>	( 20 °C )				insoluble
<b>pH-value:</b>	( 20 °C / conc. )				not applicable
<b>log P O/W :</b>		>	6,0		
<b>Cinematic viscosity :</b>	( 40 °C )				No data available
<b>Odour threshold :</b>					No data available
<b>Relative vapour density :</b>	( 20 °C )		0,9		(air = 1)
<b>Vapourisation rate :</b>					No data available
<b>Maximum VOC content (EC) :</b>	( 20 °C )		0,0	Wt %	gem. RL 1999/13/EG
<b>Max. VOC content (Decopaint):</b>	( 20 °C )		0,0	Wt %	gem. RL 2004/42/EG

### 9.2 Other information

no more data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

None

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Version (Revision) :** 4.3.0 (4.2.0)

**Print date :** 30.06.2017

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

#### Acute oral toxicity

Parameter : LC50  
Exposure route : Oral  
Species : Rat  
Effective dose : > 4790 mg/kg  
Method : OECD 401

#### Acute dermal toxicity

Parameter : LC50  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 2000 mg/kg  
Method : OECD 402

#### Irritant and corrosive effects

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

#### Sensitisation

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

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

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

##### Germ cell mutagenicity

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

##### Reproductive toxicity

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

#### 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 hazard

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

#### 11.2 Toxicokinetics, metabolism and distribution

No information available.

#### 11.3 Symptoms related to the physical, chemical and toxicological characteristics

There are no data available on the preparation/mixture itself.

#### 11.4 Other adverse effects

No information available.

#### 11.5 Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity

###### Bacteria toxicity

Parameter : EC10  
Species : Pseudomonas putida  
Effective dose : > 15,5 mg/l

#### 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

#### 12.3 Bioaccumulative potential

No information available.

#### 12.4 Mobility in soil

No information available.

# Safety Data Sheet

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

Gerstaecker 

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Print date :** 30.06.2017

**Version (Revision) :** 4.3.0 (4.2.0)

## 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

Dispose according to legislation.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product

Waste code (91/689/EEC) : 07 06 01\*

### 13.2 Additional information

None

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

### 14.8 Additional information

#### Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

#### Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

#### Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### National regulations

#### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water)

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

# Safety Data Sheet

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

**Trade name :** Gerstäcker - Leinoelfirnis

**Revision date :** 21.07.2016

**Version (Revision) :** 4.3.0 (4.2.0)

**Print date :** 30.06.2017

---

## 16.1 Indication of changes

02. Label elements · 11. Irritant and corrosive effects · 11. Irritation to eyes · 14. Transport in bulk according to Annex II of Marpol and the IBC Code · 14. Additional information - Land transport (ADR/RID) · 14. Additional information - Sea transport (IMDG) · 14. Additional information - Air transport (ICAO-TI / IATA-DGR) · 15. Water hazard class (WGK)

## 16.2 Abbreviations and acronyms

None

## 16.3 Key literature references and sources for data

None

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

No information available.

## 16.4 Relevant H- and EUH-phrases (Number and full text)

None

## 16.5 Training advice

None

## 16.6 Additional information

None

---

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

---