

	<b>Material safety data sheet</b> According to EU Regulation 1907/2006 in the current version	<b>Masterarticle: 73700</b>
	<b>LINSEED OIL VARNISH</b>	<b>Version: 14.03.2013</b> substitutes Version: 10.12.2012 <b>Date: 11.11.2013</b>

**1 Identification of the substance/preparation and trade name**

**Trade name:** **LINSEED OIL VARNISH**  
**Chemical Name:**  
**Registration No.:** Not necessary. See EU-regulation 987/2008 Annex II (acc. to EU-VO 1907/2006)  
**Utilization:** Technical applications

**Company identification:**

Kreidezeit Naturfarben GmbH, Kassemuehle 3  
D - 31196 Sehlem, Germany  
phone: +49-(0)5060-6080650, fax: +49-(0)5060-6080680, EMail: info@kreidezeit.de

**Emergency:** Kreidezeit Naturfarben GmbH, phone: +49-(0)5060-6080650  
(only during opening times)

**2 Hazards Identification**

<b>Classification according to EU 1272/2008:</b>	<b>Labelling according to EU regulation 1272/2008 (GHS-Labeling)</b>
Not classified as a hazardous substance.	Signal word: None Pictograms: None Hazard phrases: None Safety phrases: None Other hazards: None
<b>Classification according to EU 67/548:</b>	<b>Labelling according to EU regulation 67/548</b>
Not classified as a hazardous substance.	Hazard Symbol: None Risk phrases: None Safety phrases: None

**3 Composition / Information on ingredients**

This product is a substance

**Composition:**

Identification	CAS-No.	EU-No.	Classification	%
LINUM OIL, OXIDIZED	68649-95-6	272-038-8	<b>Classification according to EU 1272/2008:</b> Not classified as a hazardous substance <b>Classification according to EU 67/548:</b> Not classified as a hazardous substance.	100%

**4 First Aid**

<b>Generally:</b>	None
<b>First aid after Inhalation:</b>	None
<b>First aid after Skin contact:</b>	Clean skin with water and soap.
<b>First aid after Eye contact:</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
<b>First aid after Ingestion:</b>	None
<b>Most important symptoms and effects, both acute and delayed</b>	No symptoms known.
<b>Indication of any immediate medical attention and special treatment needed</b>	None

**5 Fire-fighting Measures**

<b>Suitable extinguishing media</b>	Foam, dry chemical powder, carbon dioxide.
<b>Unsuitable extinguishing media:</b>	Do not use direct water jet on burning material.
<b>Special hazards arising from</b>	This product is made up of inflammable material with low risk. The product

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<b>the substance or mixture</b>	may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. <b>Dangerous combustion residues:</b> smoke, carbon monoxide, carbon dioxide
<b>Advice for firefighters</b>	In the case of fire: Use respirator.

<b>6 Accidental release measures:</b>	
<b>Personal precautions:</b>	Remove sources of ignition, provide adequate ventilation, avoid contact with skin and eye contact
<b>Land spill:</b>	Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water. Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
<b>Water spill:</b>	Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.

<b>7 Handling and Storage</b>	
<b>Precautions for safe handling</b>	Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.
<b>Conditions for safe storage, including any incompatibilities</b>	Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.

<b>8 Exposure Controls and Personal Protection</b>	
<b>Control parameters</b>	None
<b>Personal protection</b>	
<b>Respiratory:</b>	No special measures required
<b>Hand protection:</b>	No special measures required
<b>Eye protection:</b>	No special measures required
<b>Physical protection:</b>	No special measures required

<b>9 Physical and Chemical Properties</b>	
<b>Appearance/odour:</b>	Golden yellow liquid with characteristic odour
<b>Odour threshold:</b>	Not available
<b>pH-value:</b>	Not available.
<b>Melting point / freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	>250°C
<b>Flash point:</b>	>168°C
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure;</b>	Not available.
<b>Vapour density;</b>	Not available.
<b>Relative density;</b>	0.94 at 20°C
<b>Solubility(ies);</b>	Soluble in oil and ethanol
<b>Partition coefficient: n-octanol/water;</b>	>6 log POW
<b>Auto-ignition temperature;</b>	Not available.
<b>Decomposition temperature;</b>	Not available.
<b>Viscosity:</b>	30dPas
<b>Explosive properties;</b>	Not available.
<b>Oxidising properties.</b>	Not available.

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10 Stability and Reactivity	
<b>Reactivity</b>	Oxidation with atmospheric oxygen. Formation of free fatty acids.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Reacts with oxidants.
<b>Conditions to avoid:</b>	Keep away from heat sources, open flames and sunlight.
<b>Substances to avoid:</b>	Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.
<b>Hazardous decomposition products:</b>	Product does not decompose at proper handling.

11 Toxicological Information	
<b>Acute toxicity:</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: not determined LD50 dermal: not determined LC50: not determined <b>Inhalation:</b> There is not expected negative impact.. <b>Ingestion:</b> There is not expected negative impact.. <b>Skin contact:</b> There is not expected negative impact.. <b>Eye contact:</b> There is not expected negative impact.
<b>skin corrosion/irritation;</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
<b>serious eye damage/irritation;</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
<b>respiratory or skin sensitization;</b>	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
<b>germ cell mutagenicity;</b>	There is not expected negative impact.
<b>carcinogenicity;</b>	There is not expected negative impact.
<b>reproductive toxicity;</b>	There is not expected negative impact.
<b>STOT-single exposure;</b>	No information available
<b>STOT-repeated exposure;</b>	No information available
<b>aspiration hazard.</b>	No information available

12 Ecological Information	
<b>Toxicity:</b>	No information available
<b>Persistence and degradability:</b>	Biologically well degradable
<b>Bioaccumulation potential:</b>	possible
<b>Mobility in soil</b>	No information available
<b>PBT characteristics:</b>	No information available
<b>Other harmful effects:</b>	No information available
<b>Water hazardous class according to german regulation "was-sergefährdende Stoffe (VwVwS)"</b>	WGK 1

13 Disposal Considerations	
<b>Recommendation:</b>	Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude in soil or waters.

14 Transport Information	
<b>UN-Number</b>	Not available
<b>UN proper shipping name</b>	ADR / RID: not available IMDG-Code: not available ICAO-TI: not available
<b>Transport hazard class(es)</b>	Not available
<b>Packing group</b>	Not available
<b>Environmental hazards</b>	Labeling of environmentally hazardous substances: ADR / RID / IMDG-Code: no ICAO-TI / IATA-DGR: no
<b>Special precautions for user</b>	See section 6-8

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<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not defined
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<b>15 Additional Regulatory Information</b>
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**Assessment of material safety:** An assessment has not been executed.

<b>16 Other Information</b>
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**Disclaimer**

The data and recommendations given in this material safety data sheet are compiled from test data (if available) and further documentation. The data and recommendations refer only to the designated product, as far as it is not brought together with other materials or processed with. The statements correspond to our knowledge and experiences at the indicated time. However, no warranty for correctness and completeness is given. Therefore, it is the user's responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use.

**Changes in this document:**

- 02.06.2010 General update for the new EU-regulation 1272/2008
- 21.09.2010 Minor editorial changes and removal of R36
- 17.05.2011 Change of the water hazard class and removing of labelling according to 548/67
- 21.02.2012 Correction of EINECS-No. at Point 3.
- 12.03.2013 General Update