

SAFETY DATA SHEET

Raw linseed oil

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 28.05.2015

1.1. Product identifier

Product name Raw linseed oil

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

Use of the substance/preparation Oiling of untreated timber. Component in paints.

1.3. Details of the supplier of the safety data sheet

Company name Ottosson Färgmakeri AB

Postal address Lillegårdsvägen 14

Postcode 247 70

City Genarp

Country Sweden

Tel 004640482574

Fax 004640482670

E-mail info@ottossonfarg.com

Website <http://www.ottossonfarg.com>

Contact person Gunnar Ottosson

1.4. Emergency telephone number

Emergency telephone Giftinformationscentralen:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

CLP Classification, Comments The product is not classified as dangerous.

2.2. Label elements

Other Label Information (CLP) No labelling required.

2.3. Other hazards

PBT / vPvB This substance is not classified as PBT or vPvB.

Description of hazard
Health effect: The product is classified as not hazardous to health.
Fire hazard: No fire or explosion hazard exists.
Wiping rags and cotton waste saturated with linseed oil-based paint can cause spontaneous combustion fires. Before disposal, place soaked materials in fireproof containers and let them dry in a safe place. Alternatively wet down spilled material with water to avoid auto ignition.
Environmental Hazards: Not expected to present an environmental hazard.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Linseed oil raw	CAS no.: 8001-26-1 EC no.: 232-278-6		100 %

Substance comments	R-phrases and the importance of the hazard statements are noted in section 16. Occupational exposure limits shown in Section 8, if any.
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SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing.
Inhalation	Fresh air and rest.
Skin contact	Wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Hold eyelids apart. Immediately rinse with water for several minutes. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Give a couple of glasses of water provided the victim is fully conscious. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	Inhalation: Not relevant. Skin contact: Prolonged or repeated skin contact may defeat the skin resulting in irritation. Eye contact: May cause reversible eye irritation. Ingestion of large amount of product can cause nausea, vomiting and diarrhea.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical monitoring for delayed effects	The product contains linseed oil which may have a laxative effect on the gastrointestinal tract. Treatment to prevent dehydration may need to be inserted.
Other Information	Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, dry chemical, carbon dioxide or water fog.
Improper extinguishing media	Direct water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No fire or explosion hazard exists.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO ₂). A thick black smoke may be evolved

5.3. Advice for firefighters

Personal protective equipment	Wear self contained breathing apparatus for fire fighting and fully protective suit.
Other Information	Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. Do not allow extinguishing water to the surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Provide adequate ventilation. Keep people away from the site. Avoid contact with skin, eyes and clothing.
Personal protection measures	Use protective equipment as indicated in Section 8.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO ₂).

6.1.1. For non-emergency personnel

Personal precautions	Use protective equipment as indicated in Section 8.
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6.1.2. For emergency responders

For emergency responders	For small spills: use protective equipment as indicated in Section 8.
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For larger emissions: Use chemical protective clothing and breathing apparatus.

6.2. Environmental precautions

Environmental precautionary measures Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method Absorb spill with vermiculite or sand, earth or other inert material and place in sealable containers. Collected product is disposed of as non-hazardous waste, see section 13.

6.4. Reference to other sections

Other instructions See section 8 for information regarding personal protective equipment. See section 13 regarding to waste management.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Ensure good ventilation. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in a cool dry place in tightly closed packaging in a well ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in original container.

Special risks and properties Do not store the produkt near heat, sparks or open flames. Avoid contact with silicon.

Conditions To Avoid Risk of spontaneous combustion. There is a risk that contaminated cotton waste, rags, etc. prone to spontaneous combustion. Place soaked materials in fireproof containers and let them dry in a safe place. Keep away from oxidizing agents, strong bases and strong acids. Keep away from sources of ignition.

Conditions for safe storage

Storage Temperature Value: 5-35 °C

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Limitation of exposure on workplace Ensure good ventilation. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after working.

Respiratory protection

Respiratory protection Not required with adequate ventilation.

Hand protection

Suitable gloves type In case of prolonged or repeated contact with product, use gloves made of: Nitrile. Neoprene. Replace contaminated gloves.

Eye / face protection

Eye protection Use safety goggles or face shield in case of splash risk.

Skin protection

Skin protection (except hands) Wear suitable protective clothing.

Thermal hazards

Thermal hazards Non flammable product.

Appropriate environmental exposure control

Environmental exposure controls Avoid release to water and sewer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Tawny.
Odour	Slight odour.
Comments, pH (as supplied)	Not determined.
Comments, Melting point / melting range	Not determined.
Flash point	Value: > 150 °C
Flammability (solid, gas)	Not relevant.
Specific gravity	Value: 0,95 g/cm ³
Solubility in water	Insoluble.
Spontaneous combustability	Value: > 200 °C
Viscosity	Value: 75-100 mPas
Comments, Viscosity	High viscosity.
Oxidising properties	Oxidizing.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	VOC: 0 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive.
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10.2. Chemical stability

Stability	Stable under normal usage and storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None.
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10.4. Conditions to avoid

Conditions to avoid	There is a risk that contaminated rags prone to spontaneous combustion.
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10.5. Incompatible materials

Materials to avoid	None.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

LD50 oral	Value: > 2000 mg/kg Animal test species: Rat
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Potential acute effects

Inhalation	Not relevant.
Skin contact	Skin contact can defeat the skin, which may cause skin dryness or cracking.
Eye contact	May cause temporary eye irritation.
Ingestion	Ingestion of large amounts may cause nausea, vomiting and diarrhea.
Aspiration hazard	Viscous product. No risk exists.

Delayed effects / repeated exposure

Sensitisation	Risk does not exist.
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Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	No known carcinogenic properties.
Mutagenicity	No known mutagenic properties.
Teratogenic properties	Teratogenic properties are not known.
Reproductive toxicity	No known reproductive toxicity.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Low acute toxicity to aquatic organisms.
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12.2. Persistence and degradability

Persistence and degradability	Linseed oil is readily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Not expected to be bioaccumulative.
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12.4. Mobility in soil

Mobility	Viscous product.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.
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12.6. Other adverse effects

Environmental details, summation	The product is classified as not dangerous for the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Waste, spills and uncleaned empty packaging are considered as non-hazardous waste. Confirm disposal procedures with environmental engineer and local regulations. Well emptied and drip-free paint cans and dry paintbrushes shall be disposed of at an approved waste disposal facility. Used rags, cotton waste etc. should be soaked with water or incinerated to avoid spontaneous combustion.
Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
EWC waste code	EWC: 08 01 12 waste paint and varnish other than those mentioned in 08 01 11 EWC: 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27

SECTION 14: Transport information

14.1. UN number

Comments	Not dangerous goods.
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

ADR	No
RID	No
IMDG	No
IMDG Marine pollutant	No
ICAO/IATA	No

14.6. Special precautions for user

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

Additional information.

Additional information. Not covered by these rules.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislation and regulations The safety data sheet is prepared in accordance with Annex II of the REACH Regulation (EU) No.1907/2006. Classification according to the Regulation (EU) No. 1272/2008 with their respective legislative changes.

15.2. Chemical safety assessment

Chemical safety assessment performed No

CSR required No

SECTION 16: Other information

Version 1

Responsible for safety data sheet Ottosson Färgmakeri AB