Linseed Oil, raw

Version number: 7
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Linseed Oil, raw

Article No.

Prefix with: LO-ra

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

Relevant identified uses

Oiling of untreated timber. Component in paints.

Not suitable for use in

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

SDS created by

Lennart Schönknecht

Supplier

Ottosson Färgmakeri AB

Address
Kontoristgatan 10
247 70 Genarp
Sweden

Telephone
+46 (0)40 48 25 74

Email
info@ottossonfarg.com

Web site
http://www.ottossonfarg.com

Contact person
Gunnar Ottosson

1.4. Emergency telephone number

Not applicable for chemical products classified as non-hazardous.

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements
The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards
Not Classified as PBT/vPvB by current EU criteria.
The product is combustible, but not flammable. Tangle, rags, etc. containing product residue may ignite spontaneously. Place these in a fireproof container and allow to dry in a safe place, or place them in water to eliminate the risk.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
Linseed oil, raw	8001-26-1 232-278-6 - -	100%	-	- - -		Not 1.

Substance additional information
Note 1: Non-hazardous substance. Raw linseed oil is exempt from the requirement for registration in REACH. For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
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. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

Ingestion
Rinse mouth with water. Give a couple of glasses of water or milk, provided the victim is fully conscious. Contact physician if larger quantity has been consumed.

4.2. Most important symptoms and effects, both acute and delayed
Ingestion
Ingestion of larger quantities of the product may cause nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. The product contains linseed oil which may have a laxative effect on the gastrointestinal tract. Treatment to prevent dehydration may need to be inserted.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Use foam, carbon dioxide, dry powder or water fog to extinguish.

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture
There is no risk of fire or explosion.
Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Use supplied air respirator if product is involved in a fire.
Wear full protective clothing.

Other
Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. Avoid discharges of extinguishing water to the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Keep people away from danger area. Note that there is a risk of slipping if product is leaking/spilling.
Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions
Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation.

6.3. Methods and material for containment and cleaning up
Methods for containment: Absorb in vermiculite, dry sand or earth and place into containers.
Methods for cleaning up: Flush contaminated area with plenty of water.
Collected product is disposed of as non-hazardous waste, see section 13.

6.4. Reference to other sections
For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Preventive handling precautions
The usual precautions when handling chemicals should be observed. Note that there is a risk of slipping if product is leaking/spilling.

General hygiene
Wash hands before breaks and before smoking, eating or drinking. Avoid eating, drinking and smoking when using the product.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in original container.
Keep away from: Oxidising materials. Strong alkalis. Strong acids.

7.3. Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure limits
The product does not contain relevant quantities of substances with workplace exposure limits to be monitored. EH40/2005, Workplace exposure limits 2005, with amendments.

8.2. Exposure controls
Appropriate engineering controls
The usual precautions when handling chemicals should be observed. Wash hands before breaks and before smoking, eating or drinking. Avoid eating, drinking and smoking when using the product.

Eye / face protection
Eye protection is not normally needed. Use safety goggles and face shield in case of splash risk.

Hand protection
Protective gloves are not needed under normal conditions.
In case of prolonged and repeated contact with the product, use protective gloves made of:
Nitrile. Neoprene.
Thickness of glove material: ≥ 0,11 mm
Breakthrough time: 480 minutes
Replace immediately punctured or contaminated gloves.

Other skin protection
Wear work clothes that cover the skin.

Respiratory protection
Respiratory protection is not required under normal conditions of use.

Thermal hazards
This product is not flammable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Viscous liquid

Colour
Brownish yellow

Odour
Slight odour.

Melting point / freezing point
< 0 °C

Boiling point or initial boiling point and boiling range
~ 300 °C

Flammability
This product is not flammable.

Lower and upper explosion limit
Not applicable.

Flash point
> 150 °C

Auto-ignition temperature
Not determined.

Decomposition temperature
Not determined.

pH
Not applicable.

Kinematic viscosity
> 25 mm²/s

Viscosity, dynamic
60 mPa · s
Method
EN ISO 12058-1

Solubility
No data available

Water solubility
The product is insoluble in water.

Partition coefficient n-octanol/water
6

Vapour pressure
< 1 hPa

Density and/or relative density
0.95 g/cm³

Relative vapour density
No data available

Explosive properties
Not explosive.

Oxidising properties
Oxidising materials.

Particle characteristics
No data available

9.2. Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
Non-reactive product under normal handling.

10.2. Chemical stability
Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions are known.

10.4. Conditions to avoid
Do not store near heat, sparks or open flames. Avoid contact with silicone.

10.5. Incompatible materials
Oxidising materials. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products
Carbon monoxide (CO). Carbon dioxide (CO_2).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

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

Carcinogenicity
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. Information on other hazards
Endocrine disrupting properties
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity
Acute toxicity
Low acute toxicity to aquatic organisms. Based on available data, the classification criteria are not met.

12.2. Persistence and degradability
The product is easily biodegradable.

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

12.4. Mobility in soil
Mobility
The product is insoluble in water. Viscous product. Not expected to be mobile in the soil profile.

12.5. Results of PBT and vPvB assessment
Not Classified as PBT/vPvB by current EU criteria.

12.6. Endocrine disrupting properties
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal considerations
Incinerate in an approved destruction facility. Dispose of in accordance with official regulations.

Packaging
Packaging that cannot be cleaned should be disposed of in the same way as the product.
Cleaned packaging can be recycled.

Waste code	Waste description
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other
Appropriate EWC code is determined by the user. The above EWC codes are to be considered suggestions only.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

SECTION 14: Transport information

14.1. UN number

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

Not relevant.

14.3. Transport hazard class(es)

Label

Not relevant.

14.4. Packing group

Not relevant.

14.5. Environmental hazards

Not relevant.

IMDG Marine Pollutant

No.

14.6. Special precautions for user

Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

National regulations
EH40/2005, Workplace exposure limits 2005, with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

Other regulations, limitations and legal regulations
Substances of very high concern (SVHC) according to REACH, Article 57: Not applicable.
Restriction of chemicals according to Annex XVII (REACH): Not applicable.

15.2. Chemical safety assessment
Raw linseed oil is exempt from the requirement for registration in REACH.

SECTION 16: Other information

Abbreviations
Abbreviations and acronyms used in the safety data sheet: ADR - Agreement concerning the International Carriage of Dangerous Goods by Road. AIIC - Australian Inventory of Industrial Chemicals. ASTM - American Society for the
Testing of Materials. bw - Body weight. CMR - Carcinogen, Mutagen or Reproductive Toxicant. DIN - Standard of the German Institute for Standardisation. DSL - Domestic Substances List (Canada). ECx - Concentration associated with x% response. ELx - Loading rate associated with x% response. EmS - Emergency Schedule. ENCS - Existing and New Chemical Substances (Japan). ErCx - Concentration associated with x% growth rate response. GHS - Globally Harmonized System. GLP - Good Laboratory Practice. IARC - International Agency for Research on Cancer. IATA - International Air Transport Association. IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk. IC50 - Half maximal inhibitory concentration. ICAO - International Civil Aviation Organization. IECSC - Inventory of Existing Chemical Substances in China. IMDG - International Maritime Dangerous Goods. IMO - International Maritime Organization. ISO - International Organisation for Standardization. LC50 - Lethal Concentration to 50 % of a test population. LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose). MARPOL - International Convention for the Prevention of Pollution from Ships. n.o.s. - Not Otherwise Specified. NO(A)EC - No Observed (Adverse) Effect Concentration. NO(A)EL - No Observed (Adverse) Effect Level. NOELR - No Observable Effect Loading Rate. NZIoC - New Zealand Inventory of Chemicals. OECD - Organization for Economic Co-operation and Development. OPPTS - Office of Chemical Safety and Pollution Prevention. PBT - Persistent, Bioaccumulative and Toxic substance. (Q)SAR - (Quantitative) Structure Activity Relationship. REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals. RID - Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT - Self-Accelerating Decomposition Temperature. SDS - Safety Data Sheet. TSCA - Toxic Substances Control Act (United States). UN - United Nations. UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods. vPvB - Very Persistent and Very Bioaccumulative.

Other
Additional information
The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.