



SAFETY DATA SHEET

Issue date: 26-03-2015

Supersedes date: 27-01-2012

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

1.1 Product identifier	Linseed Oil Soap
1.2 Relevant identified uses of the substance or mixture and uses advised against	For washing and cleaning purposes. Most suitable identified uses: Sector Use - SU: SU19 Building and construction work SU20 Health services SU21 Private households (= general public = consumers) SU22 Professional uses: Public domain Process categories [PROC]: PROC10. Roller application or brushing PROC11 Non industrial spraying PROC19 Hand-mixing with intimate contact and only PPE available Environmental Release Categories: Wide dispersive outdoor use of processing aids in open systems
1.3 Details of the supplier of the safety data sheet	
Supplier/Importer EU	Allbäck Linoljeprodukter AB
Address	Östra Balkåkravägen 18 SE-271 91 Ystad Sweden
Telephone number	+46-411-602 02
Contact person	Sonja Allbäck
e-post	allback@allbackpaint.com
1.4 Emergency telephone number	24 hours service is available at www.nhs.uk Call 112 or 999 if an acute emergency. If less acute call 111.
MSDS issued by	Ann Martens, Ramböll Sverige AB, +46 (0)10-615 54 47

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous for health or environment.

2.2 Label elements

No hazard label required.

2.3 Other hazards

None specific.



Section 3: Composition/information on ingredients

EC-no	CAS-no	Reg-no REACH	Name of component	Conc. wt/wt	Classification	Com.
268-920-7	68154-76-7	See section 16.	Linseed oil soap	15-45 %	-	-
231-791-2	7732-18-5	-	Water	55-85 %	-	-

Explanation of abbreviations:
 CAS-nr. = Chemical Abstracts Service; EU-nr (Einecs- or Elincsnr) = European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, DSD = Dangerous Substance Directive. CLP = Regulation Classification and Labelling of Packages.
 Content specified as: %, %wt/wt, %vol/wt, %vol/vol, mg/m³, ppb, ppm, wt%, vol%.
 WEL = The product have a workplace exposure limit, PBT = The product is declared since it's a PBT- or a vPvB-substance.

Comments: Linseed oil soap contains sodium salt of mainly natural triglycerides from oleic, linoleic, palmitic acid, linolenic acid and stearic acid. CAS 8554-56-3 is also possible for the product.

For risk phrases in plain text, see section 16.

Section 4: First aid measures

4.1 Description of first aid measures	
Inhalation	Not relevant, except when spraying the product. If irritation occurs, move to fresh air and rest.
Skin contact	Wash the skin with water.
Eye contact	Remove contact lenses. Rinse the eyes for a couple of minutes. If symptoms persist, seek a physician.
Ingestion	Drink copious amounts of milk. The product is a laxative in large amounts, but no risk for intoxication.
4.2 Most important symptoms and effects, both acute and delayed	
Inhalation	May cause some transient irritation to the respiratory tract.
Skin contact	Has no effect on skin.
Eye contact	Provides transient mild irritation.
Ingestion	Laxative.
4.3. Indication of any immediate medical attention and special treatment needed	Access to water for rinsing eyes at the working place.

Section 5: Firefighting measures

5.1 Extinguishing media a. Recommended Extinguishing media b. Not Recommended Extinguishing media	a. The product cannot be ignited due to high water content. For surrounding fire use powder, foam, carbon dioxide or water spray depending on what is burning. b. Foam containing substances that are harmful for the environment, i.e. Perfluoro octane sulfonate (PFOS) and
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	Nonyl ethoxylate.
5.2 Special hazards arising from the substance or mixture	None
5.3 Advise for firefighters	Wear a self-contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	For personal protection equipment see section 8. Wash skin or contaminated clothes with water.
6.1.2 For emergency responders	Wash with water.
6.2 Environmental precautions	Prevent discharge to the sewage system.
6.3 Methods and material for containment and cleaning up	Make embankments with sand or other inert absorbent and collect. Small amounts can be washed away with water. The product is easily biodegradable in nature.
6.3.1. Surrounding embankment /sealing	
6.3.2 Recommended cleaning up measures	
6.3.3 Non-recommended measures	
6.4 Reference to other sections	For personal protection, see section 8. For disposal of waste, see section 13.

Section 7: Handling and storage

7.1 Precaution for safe handling	Avoid spills and prevent large quantities of the product to reach sewage system or surface water. Avoid eating, drinking and smoking in the working area. Wash hands after using the product. Remove contaminated clothing before meals.
7.2 Condition for safe storage, including any incompatibilities	Store the product at room temperature. Store out of reach of children and away from food.
7.3 Specific end use(s)	No specific end uses.

Section 8: Exposure controls/personal protection

8.1 Control parameters
No national occupational exposure limits values.

PNEC and DNEL/DMEL
No values established.

Biological limit values	None
Recommended surveillance procedure	None



8.2 Exposure controls

8.2.1 Recommended technical control measures	None
8.2.2 Individual protection measures, e.g. personal protection equipment	
Eye/face protection	None. Use safety goggles when spraying the product.
Skin protection i) Hand protection (material, thickness, breakthrough time) ii) Other protection	i) None. ii) Normal working clothes. No special protection.
Respiratory protection	If spraying the product one can use a half mask with particle filter P2 (for oil aerosols) and filter A (organic vapours).
8.2.3 Environmental exposure control	Avoid large leakage to surface water or sewage system

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance/Form /State	Liquid
Odour	Characteristic soap or linseed oil.
pH	10 (concentrated product)
Melting point/freezing point	Appr. 0 °C
Initial boiling point and boiling range	Appr. 100 °C
Flash point	Not relevant.
Evaporation rate	Not determined
Flammability	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	0.99 kg/l
Solubility	Linseed soap is miscible with water. The product is partly soluble in several solvents, but it is not recommended to mix with organic solvents.
Partition coefficient n-octanol/water	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	None
Oxidizing properties	None

9.2 Other information

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Section 10: Stability and reactivity

10.1 Reactivity	The product is not reactive during normal handling and storage conditions.
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10.2 Chemical stability	Stable at normal storing conditions
10.3 Possibility of hazardous reactions	None
10.4 Conditions to avoid	Do not store above normal room temperature and below +4 °C
10.5 Incompatible materials	Strong acids, bases and oxidizing agents.
10.6 Hazardous decomposition products	None

Section 11: Toxicological information

Substances

11.1 Information on toxicological effects

a) Acute toxicity

Short term exposure:

Ingestion: The product is probably a mild laxative and ingestion of small amounts will not give any symptoms.

Inhalation: Not relevant. Only a risk when spraying the product. The product could in that case cause minor irritation to respiratory tracts.

Eye contact: Could cause mild transient irritation if contact with the eyes

Skin contact: Gives no effect on the skin

Long term exposure:

Ingestion: For linseed soap data is lacking.

Inhalation: For linseed soap data is lacking.

Eye contact: Repeated exposure may cause irritation to the eyes, but will probably not give any remaining effect on the eye.

Skin contact: Repeated contact might dry the skin and cause irritation or atopic eczema, but during normal use the risk is low.

b) Skin corrosion/irritation: The product is not corrosive to the skin.

c) Serious eye damage/irritation:

The product will not give serious eye damage or eye irritation.

d) Respiratory or skin sensitisation: The product is not a sensitizer. There is no known sensitizing effect of linseed oil soap, but no data is found.

e) Germ cell mutagenicity: No known effects.

f) Carcinogenicity: No known effects.

g) Reproductive toxicity: No known effects.

h) STOT-single exposure: No known effects.

i) STOT-repeated exposures: No known effects.

j) Aspiration hazard: No known effects.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity

Linseed oil has low toxicity for aquatic organisms and this is probably also the case for linseed soap.

Long term toxicity

The product will probably not have any adverse long term effects on the aquatic environment, but data is lacking.

Terrestrial organisms: The product is probably not harmful for terrestrial organisms, but data is lacking.



Plants: The product is probably relatively harmless for plants, but data is lacking.
 Effects on micro-organisms living in wastewater treatment plants: The product has no known effect on microorganisms in wastewater treatment plants.

12.2 Persistence and degradability

Linseed oil is easily degradable, but data is lacking for linseed oil soap. It is also with high probability easily degradable.

12.3 Bioaccumulative potential

The product will not bioaccumulate.

12.4 Mobility in soil

The product is water soluble but probably easily degradable and thus the mobility in soil will not be so high.

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

None known.

Section 13: Disposal consideration

13.1 Waste treatment methods	a) Emptied plastic packages are sorted as hard plastic. The packaging consists of polypropylene. The product can be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. b) There are no physical/chemical properties that may affect the waste treatment solutions. c) Larger residues should not be released to the sewage system. No special security measures concerning waste treatment methods are needed.
Waste codes (EWC)	Depends where the waste is produced, but suitable codes are 07 01 99 or 08 01 17.
The product is classified as hazardous waste	No.
Waste codes (EWC) for the container	Suitable code for the packages are 20 01 39.
A not thoroughly cleaned container is considered dangerous waste	No
Other information	See section 8 for personal protective equipment.

Section 14: Transport information

General	Not classified as hazardous goods
14.1 UN number	-
14.2 UN Proper Shipping Name	-
14.3 Transport hazard class(es)	-
14.4 Packing group	-

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14.5 Environmental hazards	-
14.6 Special precautions for users	-
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	-

Section 15: Regulatory information

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

No relevant.

15.2 Chemical safety assessment

Chemical safety assessment is not made for linseed soap? as it is exempted from registration according to REACH.

Section 16: Other information

This MSDS is changed in the following sections:

Minor changes of formatting errors.

Sources for data in this MSDS

- The manufactures' MSDS
- Prevent Database Chemical substances (<http://kemi.prevent.se/>)
- Toxnet, <http://toxnet.nlm.nih.gov/>
- ECHA, Guidance on information requirements and chemical safety assessment: Guidance on information requirements and chemical safety assessment Chapter R.12: Use descriptor system. Draft ver. 2.0, 2010
- European Commission DG Environment Report October 2008 from DHI. Review of Annex IV of Reg. 1907/2006 Contract No. 070307/2007/473055/MAR/D1 and appendix 2 Evaluation of existing entries, Linseed oil.
- IMO INTERNATIONAL MARITIME ORGANIZATION. BLG WORKING GROUP ON THE EVALUATION OF SAFETY AND POLLUTION HAZARDS OF CHEMICALS. 30 September 2005, Linseed oil (containing less than 4% free fatty acids). Submitted by the United Kingdom.

Other information:

Sodium salts of natural fatty acids (eg. linseed oil) is exempted from registration according to REACH. See regulation EC 987/2008.

The safety data sheet is based on the REACH regulation EC 1907/2006 and the regulation EU 453/2010 Classification according to both the CLP regulation EC 1272/2008 and directives 67/548/EEC and 1999/45/EC. Names in section 3 are given either according to harmonised classified substances in Annex VI, CLP regulation EC/1272/2008, IUPAC name or other common used named chosen by the supplier. See article 18 in the CLP regulation.