

SAFETY DATA SHEET

Linseed oil paint 2,5-25 vikt-%

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	30.12.2012
Revision date	30.05.2015

1.1. Product identifier

Product name	Linseed oil paint 2,5-25 vikt-%
Article no.	This Safety Data Sheet applies to linseed oil with following prefix article numbers: LFB-, LFBR-, LFG-, LFGRÅ-, LFGU-, LFR-,LFSV-, LFV-TZ-, LFV-kitt-, LFV-grädd-, LFVantik-, LFS- och LF-lasyr-V.

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

Use of the substance / preparation	Paint.
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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
Telephone number	004640482574
Fax	004640482670
Email	info@ottossonfarg.com
Website	http://www.ottossonfarg.com
Contact person	Gunnar Ottosson

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Giftinformationscentralen
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

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

Aquatic Chronic 2; H411

2.2. Label elements

Hazard pictograms (CLP)



Hazard statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P501 Dispose of contents/container to hazardous or special waste collection point.

VOC

Product subcategory : Coatings (paint) for wood, metal or plaster Interior/
exterior.
Relevant VOC limit values: 300 g/l
Maximum content of VOC: 0 g/l

2.3. Other hazards

Physicochemical effects

Not a fire or explosion hazard. Combustible product. Improper handling of solvent soaked filters can cause spontaneous combustion. Before disposal, rags used to apply or absorb product should be rinsed with water and stored in a fire-resistant container.

Health effect

The product is classified as not hazardous to health.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Zinc oxide	CAS No.: 1314-13-2 EC No.: 215-222-5 Index No.: 030-013-00-7	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	2,5 - 25 %
Linseed oil boiled	CAS No.: 68649-95-6 EC No.: 272-038-8		25 - 50 %
Pigment			1 - 50 %
Zirconium, dipropylene glycol iso-Bu alc. neodecanoate propionate cobalt complexes	CAS No.: 68988-10-3 EC No.: 273-514-8	Xn,Xi; R22,R38,R43 Acute tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0,01 %
Substance comments	The pigments are classified as not dangerous. R-phrases and the importance of the hazard statements are noted in section 16. Occupational exposure limits shown in Section 8, if any.		

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 applicable. Skin contact: Not irritating. Eye contact: Exposure to intense oxidation may cause 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

Other information	Symptomatic treatment.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
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). Metalloxiide.

5.3. Advice for firefighters

Other information	Cool containers exposed to flames with water until fire is out. Do not allow extinguishing water to the surroundings.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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. For larger emissions: Use chemical protective clothing and breathing apparatus.
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6.2. Environmental precautions

Environmental precautionary measures	Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.
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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 hazardous waste, see section 13.
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6.4. Reference to other sections

Other instructions	See section 8 for information regarding personal protective equipment. See section 13 regarding to waste management.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Safety measures to prevent fire	There is a risk that contaminated cotton waste, rags, etc. prone to spontaneous combustion. Soak the cotton waste and paint rags in water and put them in a fireproof container.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in a cool dry place.
Special risks and properties	Do not store the produkt near heat, sparks or open flames. Avoid contact with silicon.

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.
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Respiratory protection

Respiratory protection	Not required under conditions of normal use and adequate ventilation.
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Hand protection

Suitable gloves type	In case of prolonged or repeated contact with product, use gloves made of: cotton or nitrile rubber Replace contaminated gloves.
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Eye / face protection

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

Skin protection (except hands)	Wear suitable protective clothing.
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Thermal hazards

Thermal hazards	Non flammable product. Contaminated cotton waste and rags may ignite spontaneously.
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Appropriate environmental exposure control

Environmental exposure controls	Avoid release to water and sewer.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Varies according to the pigment composition.
Odour	Smell of linseed oil.
pH	Status: In delivery state Comments: Not applicable.
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Value: > 300 °C
Flash point	Value: > 200 °C
Flammability (solid, gas)	Not relevant.
Vapour pressure	Comments: Low vapor pressure.
Relative density	Value: 1,5 - 1,9 g/cm ³
Solubility in water	Insoluble.
Solubility in organic solvents	Name: White spirit
Viscosity	Value: 10 - 15 P Comments: Viscous.
Oxidising properties	Not oxidizing.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties VOC: 0,0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not reactive.

10.2. Chemical stability

Stability Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Risk of spontaneous combustion if product residues occur on cotton waste or clothes which can react with atmospheric oxygen.

10.4. Conditions to avoid

Conditions to avoid Do not store near heat, sparks or open flames.

10.5. Incompatible materials

Materials to avoid Avoid contact with silicone.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide (CO). Carbon dioxide (CO₂). Metalloxider.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Type of toxicity: Acute
	Effect tested: LD50
	Route of exposure: Oral
	Value: > 2000 mg/kg
	Species: rat
	Comments: Estimated value.
	Type of toxicity: Acute
	Effect tested: LD50
	Route of exposure: Dermal
Value: > 2000 mg/kg	
Species: rat	
Comments: Estimated value.	
Type of toxicity: Acute	
Effect tested: LC50	
Route of exposure: Inhalation.	
Duration: 4 h	
Value: > 20 mg/l	

Species: rat
Comments: Estimated value.

Potential acute effects

Inhalation	Not relevant.
Skin contact	Not irritating.
Eye contact	May cause eye irritation from strong oxidation.
Ingestion	Ingestion of large amounts may cause nausea, vomiting and diarrhea.
Aspiration hazard	Viscous product. No risk exists.

Delayed effects / repeated exposure

Sensitisation	Non-sensitizing.
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Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity, other information	No risk exists.
Mutagenicity	No risk exists.
Teratogenic properties	No risk exists.
Reproductive toxicity	No risk exists.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Toxic to aquatic organisms.
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12.2. Persistence and degradability

Substance	Zinc oxide
Acute aquatic, fish	Value: 1 mg/l Test duration: 96 h Species: Rainbow trout
Acute aquatic, algae	Value: < 1 mg/l Test duration: 72 h Species: Green algae
Acute aquatic, Daphnia	Value: 25 mg/l Test duration: 48 h Species: Daphnia magna
Biodegradability	Comments: Not readily biodegradable.
Persistence and degradability, comments	This product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Zinc has moderate to high bioaccumulation in aquatic organisms, but gives no biomagnification in the food chain.
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12.4. Mobility in soil

Mobility	The product is viscous and not water soluble. Therefore it is considered as immobile within the soil profil.
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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	Toxic to aquatic life with long lasting effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	Yes
EWC waste code	EWC: 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances
Other information	Dispose of waste at an approved hazardous waste disposal facility.

SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	3082
IMDG	3082
ICAO / IATA	3082

14.2. UN proper shipping name

ADR / RID / ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)
ICAO / IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

14.3. Transport hazard class(es)

ADR / RID / ADN	9
Hazard No.	90
RID	9
IMDG	9
ICAO / IATA	9

14.4. Packing group

RID	III
IMDG	III
ICAO / IATA	III

14.5. Environmental hazards

ADR / RID / ADN	Yes
RID	Yes
IMDG	Yes
IMDG Marine pollutant	Yes
ICAO / IATA	Yes

14.6. Special precautions for user

EmS	F-A, S-F
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Additional information

Additional information	Not covered by these rules.
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ADR / RID - Other information

Tunnel restriction code	(E)
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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.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No

SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aquatic Chronic 2; H411;
List of relevant R-phrases (under headings 2 and 3).	R43 May cause sensitization by skin contact. R38 Irritating to skin. R22 Harmful if swallowed.

List of relevant H-phrases (Section 2 and 3)

H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Key literature references and sources for data

Test Report 142/03, Linoljefärg - Vit, Daphnia magna, immobilisation test, Toxicon AB, Landskrona, Sweden, October 21 2003.