

## SAFETY DATA SHEET

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# SAFETY DATA SHEET

## Linseed oil paint 2,5-25 vikt-%

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

Date issued 30.12.2012  
Revision date 18.09.2013

#### 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.

#### 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

Classification according to 67/548/EEC or 1999/45/EC N; R51/53  
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Aquatic Chronic 2; H411;

#### 2.2. Label elements

##### Hazard symbol



Dangerous for the environment

R-phrases R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S-phrases S60 This material and its container must be disposed of as hazardous waste.  
S61 Avoid release to the environment. Refer to special instructions/Safety data

sheets.  
Contains Zirconium-Cobalt complexes. May produce an allergic reaction.

### 2.3. Other hazards

Physico-chemical effects	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	N; R50, R53 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;	< 0,4 %
Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%		
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, N = Environmental hazard		
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: Contains low levels of Zirconium-Cobalt complexes. May produce an allergic reaction in sensitive individuals. 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.

## 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<sub>2</sub>). 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.

## 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.  
Avoid sources of ignition.

Personal protection measures Use protective equipment as indicated in Section 8.

Hazardous combustion products Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Metal oxides.

#### 6.1.1. For non-emergency personnel

Personal precautions Use protective equipment as indicated in Section 8.

#### 6.1.2. For emergency responders

For emergency responders For small emissions: Use protective equipment as indicated in Section 8.  
For higher emissions: Use chemically protective clothing and breathing apparatus.

### 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.

### 6.3. Methods and material for containment and cleaning up

Cleaning method Contain 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.

### 6.4. Reference to other sections

Other instructions See section 8 in terms of personal protective equipment.

See section 13 with regard 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.

#### 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.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage Store in a cool dry place.

Special risks and properties Do not store 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

Occupational exposure limits	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 sewage.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Varies depending on the pigment composition.
Odour	Smell of linseed oil.
Comments, pH (as supplied)	Not applicable.
Comments, Melting point / melting range	Not determined.
Boiling point / boiling range	Value: > 300 °C
Flash point	Value: > 200 °C
Flammability (solid, gas)	Not applicable.
Comments, Vapour pressure	Low vapor pressure.
Specific gravity	Value: 1,5-1,9 g/cm <sup>3</sup>
Solubility in water	Insoluble.
Solubility in organic solvents	Name: White spirit
Viscosity	Value: 10-15 P
Comments, Viscosity	Viscous.
Explosive properties	No explosion hazard exists.
Oxidising properties	Not oxidizing.

### 9.2. Other information

#### Other physical and chemical properties

Physical and chemical properties	VOC: 0,0 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.

### 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 silicon.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Metalloxider.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological Information:

LD50 oral	Value: > 2000 mg/kg Animal test species: Rat Comments: Estimated value.
LD50 dermal	Value: > 2000 mg/kg Animal test species: Rat Comments: Estimated value.
LC50 inhalation	Value: > 20 mg/l Animal test species: Rat Duration: 4 h 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 Contains low levels of Zirconium-Cobalt complexes. May produce an allergic reaction in sensitive individuals.

#### Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	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 Completed Ecotoxicological study of the product shows that it is not deleterious to aquatic organisms for acute toxicity. Further studies will be conducted to verify this, which in this case could lead to a reclassification of the product. Long-term adverse effects of aquatic organisms cannot be excluded.

#### Toxicological data for substances

Substance	Zinc oxide
Acute aquatic, fish	Value: 1 mg/l Species: Rainbow trout

	Duration: 96 h
Acute aquatic, algae	Value: < 1 mg/l Species: Green algae Duration: 72 h
Acute aquatic, Daphnia	Value: 25 mg/l Species: Daphnia magna Duration: 48 h
Biodegradability	Comments: Not readily biodegradable.
Bioaccumulation	Zinc has moderate to high bioaccumulation in aquatic organisms, but gives no biomagnification in the food chain.

## 12.2. Persistence and degradability

Persistence and degradability The 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.

## 12.4. Mobility in soil

Mobility The product is viscous and not water soluble. Therefore it is considered as immobile within the soil profil.

## 12.5. Results of PBT and vPvB assessment

PBT assessment results This product does not contain any PBT or vPvB substances.

## 12.6. Other adverse effects

Environmental details, summation The product is classified as toxic to aquatic organisms, may cause adverse effects in the aquatic environment.

# 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	3082
RID	3082
IMDG	3082
ICAO/IATA	3082

## 14.2. UN proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide)
RID	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	9
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Hazard no.	90
RID	9
IMDG	9
ICAO/IATA	9

#### 14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

#### 14.5. Environmental hazards

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

#### 14.6. Special precautions for user

ADR additional information	Tunnel restriction code: (E)
EmS	F-A, S-F

#### 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.
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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 EU Directive 2005:7 and Regulation (EU) No. 1272/2008 with their respective legislative changes.
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#### 15.2. Chemical safety assessment

CSR required	No
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### 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. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R50 Very toxic to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment. R38 Irritating to skin. R22 Harmful if swallowed.
List of relevant H-phrases (Section 2 and 3).	H302 Harmful if swallowed. 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. H400 Very toxic to aquatic life. H315 Causes skin irritation.
Important data sources used to construct the safety data sheet	Test Report 142/03, Linoljefärg - Vit, Daphnia magna, immobilisation test, Toxicon AB, Landskrona, Sweden, October 21 2003.
Responsible for safety data sheet	Ottosson Färgmakeri AB



