Satin Floor Oil – nature / Satin Wood Oil – nature

LINOLIE&PIGMENT

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

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

1.1. Product identifier:

Satin Floor Oil – nature / Satin Wood Oil – nature

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

Wood oil for indoor use. Applied with sponge, polishing machine etc.

1.3. Details of the supplier of the safety data sheet:

Linolie & Pigment
Øsbygade 46 Phone: +45 7575 2382
DK-6100 Haderslev
Responsible person for the safety data sheet (e-mail): info@linolie.dk

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Liquid with aspiration hazard.
CLP (1272/2008): Asp. Tox. 1;H304

2.2. Label elements:

DANGER

Contains:	Hydrocarbons C_{14-18}, n-alkanes, isoalkanes, cyclics, <2% aromatics & Hydrocarbons C_{15-20}, n-alkanes, isoalkanes, cyclics, <0.03% aromatics
H304:	May be fatal if swallowed and enters airways.
P101:	If medical advice is needed, have product container or label at hand.
P102:	Keep out of reach of children.
P301+P310+P331:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P501:	The contents/container must be disposed of in accordance with local rules.

2.2. Other hazards:

Rags soaked with the product may cause spontaneous combustion.
PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures: Linseed oil based mixture

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
5-< 15	Hydrocarbons C_{14-18}, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	927-632-8	649-422-00-2	01-2119457736-27	Asp. Tox. 1;H304 EUH066
< 10	Hydrocarbons C_{15-20}, n-alkanes, isoalkanes, cyclics, <0.03% aromatics	64742-46-7	934-956-3	649-221-00-X	01-2119827000-58	Asp. Tox. 1;H304
0.1-<0.2	2-Ethylhexanoic acid, zirconium salt	22464-99-9	245-018-1	-	01-2119979088-21	Repr. 2;H361f

Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact: Remove all contaminated clothing. Wash skin with water and mild soap.

Eye contact: Flush with water or physiological salt water, holding eyelids open; remember to remove contact lenses, if any. If irritation persist: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. **Do not induce vomiting.** If vomiting occurs keep head down to avoid vomit in the lungs. Seek medical advice.

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

May cause discomfort and slight irritation of skin, eyes and lungs. Ingestion or vomiting may cause risk of lung oedema, with symptoms (laboured breathing) that might occur several hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed:

By ingestion: Immediately seek medical advice. Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Use water fog, carbon dioxide, dry chemical or foam.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. In case of fire, the substance may form hazardous decomposition products: Primarily oxides of carbon.

5.3. Advice for firefighters:

Wear self-contained breathing apparatus when generation of smoke is vigorous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8. Avoid further spreading. Ventilate area of spill.

6.2. Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Take up with absorbent material (e.g. general-purpose binder) and place in marked container for disposal.

All contaminated rags, paper etc. may be subject to spontaneous combustion under certain conditions. Place all contaminated material in a metal container, which contains water, with a tight fitting lid. Remove from premises immediately.

Clean with water. Dispose of in accordance with local regulations or burn under controlled conditions.

Further handling of spillage - see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin, eyes and clothing. Wash contaminated skin immediately with water and mild soap. Contaminated clothes or absorbent material is kept under water until disposal or cleaning. Moisturisers prevents drying of the skin and may be used with great advantage after work.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed original container of metal. Keep in a dry and well-ventilated place.

Store securely and out of reach of unauthorized personnel and separated from food, feed, drugs etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits (Health and Safety Executive, EH40/2005 Workplace Exposure Limits):

5 mg/m^3 (Zirconium compounds (as Zr)

DNEL/PNEC: No CSR.

SECTION 8: Exposure controls/Personal protection (continued)

8.2. Exposure controls:

Appropriate engineering controls: Provide sufficient ventilation.

Personal protective equipment:

Inhalation: Normally not required. In case of working in not adequate ventilated areas, use an approved mask with a gas filter: A (EN 140). The filter has a limited lifetime and must be changed. Read the instruction.

Skin: Wear protective gloves of nitrile rubber (> 0.3 mm) (EN 374). It has not been possible to find data for breakthrough time. In case of spill on the glove, it is recommended to change it after use.

Eyes: Wear tight fitting safety goggles (EN 166) when there is risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Colourless liquid
Odour:	Linseed oil
Odour threshold:	Not determined
pH (concentrate):	Not determined
Melting point / freezing point (ºC):	Not determined
Initial boiling point and boiling range (ºC):	> 300 (for pure linseed oil); > 250 (for hydrocarbons)
Decomposition temperature (ºC):	Not determined
Flash point (ºC):	App. 220 (for pure linseed oil)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not relevant (liquid)
Upper/lower flammability or explosive limits (vol-%):	Not determined
Vapour pressure (kPa, 20ºC):	Not determined
Vapour density (air=1):	Not determined
Relative density (g/ml):	App. 0.91
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water, Log K_{ow}:	Not determined
Auto-ignition temperature (ºC):	Not determined
Viscosity, dynamic (cP, 40°C):	< 16.2 (ISO 3219)
Viscosity, kinematic (mm^2/s, 40°C):	< 20.5
Explosive properties:	Not determined
Oxidising properties:	Not determined
9.2. Other information:	None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available data.

10.2. Chemical stability:

Stable under normal conditions (see section 7).

10.3. Possibility of hazardous reactions:

Warning: Combustible materials such as rags, paper or cloths soaked with the product may cause spontaneous combustion

10.4. Conditions to avoid:

Avoid excessive heating.

10.5. Incompatible materials:

May react with strong acids and oxidizing materials.

10.6. Hazardous decomposition products:

In case of extensive heating, the mixture may form hazardous decomposition product such as oxides of carbon, short chain fatty acids, polymers and acrolein.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data	Test	Data source
Acute toxicity:			
Inhalation	LD_{50} (rat) > 2000 mg/kg (Hydrocarbons C_{14-18})	No data	ECHA diss.
Dermal	Ingen tilgængelige data	-	-
Oral	LD_{50} (rat) > 15 g/kg (Linseed oil)	No data	Supplier
	LD_{50} (rat) > 5000 mg/kg (2-Ethylhexanoic acid, zirconium salt)	No data	Supplier
Corrosion/irritation:	Moderate skin irritation, man (Linseed oil)	Draize	RTECS
Sensitization:	No data available.	-	-
CMR:	No mutagenicitet – negative result (Linseed oil)	No data	TOXNET
	No effect on fertility/offspring (Linseed oil)	No data	TOXNET
	No carcinogen effects in animals (Linseed oil)	No data	TOXNET
	NOAEL, rat: 300 mg/kg/d reduced fertility (2-Ethylhexanoic acid, zirconium salt)	No data	ECHA diss.

Information on likely routes of exposure: Ingestion.

Symptoms:

Inhalation: Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort and headache.

Skin: May cause irritation with redness by prolonged contact with skin. Repeated exposure may cause skin dryness or cracking.

Eyes: May cause irritation with redness and pain.

Ingestion: May cause irritation of the gastrointestinal tract and discomfort, nausea and diarrhea. Ingestion or vomiting may cause risk of lung oedema, with symptoms (laboured breathing) that might occur several hours after exposure.

Chronic effects: The zirconium-compound is suspected of damaging fertility or the unborn child.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data	Test (Media)	Data source
Fish	LC_{50} (Danio rerio, 96 h) > 250 mg/l (Hydrocarbons)	No data (FW)	ECHA diss.
Daphnia	No relevant available data.	-	-
Algea	No relevant available data.	-	-

12.2. Persistence and degradability:

Hydrocarbons are degraded 74% in 28 days at OECD 301 test and are therefore considered readily biodegradable.

12.3. Bioaccumulative potential:

Hydrocarbons: Log P_{ow} > 3 (significant bioaccumulation possible)

12.4. Mobility in soil:

K_{oc} (Hydrocarbons): 60-229 (moderate to large mobility in soil expected)

12.5. Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6. Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The chemical must be treated as hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code:

08 01 11 (mixture itself) and 15 02 02 (Paper towel, inert material etc. contaminated with the mixture)

SECTION 14: Transport information

Not dangerous goods according to ADR/RID.
14.1. UN-no.: None.
14.2. UN proper shipping name: None.
14.3. Transport hazard class(es): None.
14.4. Packing group: None.
14.5. Environmental hazards: None.
14.6. Special precautions for user: None.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Must not be used by persons under 18 years of age.
Special labelling:
VOC subcategory: A/i
VOC limit value (g/l): 500
VOC content (g/l): < 3

Danish 1993-Code no.: 00–1
15.2. Chemical Safety Assessment:
No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 3:
EUH066: Repeated exposure may cause skin dryness or cracking.
H304: May be fatal if swallowed and enters airways.
H361f: Suspected of damaging fertility.
Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC_{50} = Effect Concentration 50%
EL_{50} = Effect Loading 50%
FW = Fresh Water
LC_{50} = Lethal Concentration 50%
LD_{50} = Lethal Dose 50%
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative
Literature:
ECHA diss. = European Chemical Agency Registration dossier
RTECS = Register of Toxic Effects of Chemical Substances.
TOXNET = Toxicology Data Network via Toxline database
Training advice:
No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.
Changes since the previous edition:
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