

1. Chemical product and it's preparation / Identification of the company

Trade Name: ALIS Decking Oil No. 579

Use of the substance / preparation: As exterior wooden coatings.

Manufacturer: LIVOS Pflanzenchemie GmbH & Co. KG
Auengrund 10
D - 29568 Wieren

Technical contact point: Product Safety Department
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+49 (0)30 - 30686790 (24h)

2. Hazards identification

Hazard statements: Classification: Xi; R 43
Irritant. Sensitization by skin contact possible.

Additional information about special dangers for humans and the environment:

Contains limonene, Cobalt(2+)salts. Can cause allergic reactions.
Can by swallowing cause lung damage. Liquid can evaporate by increased temperatures and form explosive mixtures by or above the flash point. See also point 9.

3. Composition / information on ingredients

Chemical characterization (substance) : Linseed oil, wood oil, linseed oil - wood oil - stand oil, orange oil, Isoaliphates, linseed oil - stand oil - natural resin ester, earth - and mineral pigments, dehydrated amino sugar and drying agents free of lead.

Hazardous ingredients:

CAS-No	Name	Percent	Symbol	R-phrases
90622-57-4	Isoalkane	11-50	Xn	R 53, R 65, R 66
90622-58-5	Isoalkane	11-50	Xn	R 65, R 66
8001-20-5	Wood Oil	11-50	Xi	R 43

4. First aid measures

General information: Change moistened clothes.

In case of inhalation: Provide fresh air. Keep affected person still. Consult a physician if problems persist.

In case of skin contact: Wash the skin area with water and soap. Consult a physician if skin reaction persists.

In case of eye contact: Rinse immediately and thoroughly out with plenty of water until the irritation diminishes. By continuous eye irritation, visit your optician.

In case of ingestion: Do NOT induce vomiting. Keep affected person still and consult a physician.

5. Fire-fighting measures

Suitable extinguishing media: Foam, Extinguishing powder, Carbon dioxide, Water mist.

Extinguishing media which must not be used for safety reasons: Full water jet.

Special hazards arising from the substance or preparation itself, combustion products, developing gases:

Special protective equipment for fire-fighters : Use suitable breathing apparatus.

6. Accidental release measures

Personal precautions: Keep public away. Provide adequate ventilation.

Environmental precautions: Do not allow to enter water bodies or drains.

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and eliminate correctly.

7. Handling and storage**Advice on safe handling:**

Keep container tightly closed. Provide good ventilation at the workstation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Further information:**Information on storage conditions:**

Store cool and dry. Protect against heat and direct exposure to the sun.

Requirements for storage rooms and containers:

Make sure it is solvent steady and that the floor is properly sealed.

Hints on storage assembly:

Do not store together with oxidizing agents. Validity for common storage with products of other categories are to be proven.

Storage class:

A III

Flammable Liquid Class:**8. Exposure controls / Personal protection****Monitor requiring components with occupational exposure limits resp. Biological exposure limits:****Occupational exposure limits (AGW) Germany:**

CAS-No.	Designation of the material	Limit	Unit	Type	Country
90622-57-4	Isoalkane	1000	mg/m ³	TRGS 900/901	
90622-58-5	Isoalkane	1000	mg/m ³	TRGS 900/902	

Exposure control and limitation:

Recommended methods of analysis for job measurements: See series of publications of the Federal Institution for industrial safety and industrial medicine (BAuA)"dangerous working materials" (GA 13)

Personal protection equipment:

The usual precautionary measures while handling chemicals are to be considered.

Respiratory protection:

Should the room air concentrations exceed, despite technical precautionary measures the abovementioned approximate value, take measures for extraction or similar actions, otherwise wear respiratory protection, e.g. filter half mask type "A" or something similar.

Hand protection:

Protective gloves with resistance to chemicals. Suitable material: nitriles. Exact penetration times are to be requested from the manufacturer and kept.

Eye protection:

Eye glasses with side protection.

Protective clothing for the body:**9. Physical and chemical properties****Color:**

different colors

Physical state:

liquid

Odor:

mild

Melting point / melting range:

n.a.

Boiling temperature / boiling range:

I.B.P. 199 °C

Flash point:

62 °C

Ignition temperature:

> 200 °C

Autoinflammability:

The product in itself is not inflammatory. Self inflammation danger due to the plant oil content with e.g. moistened cloth, adsorbent material and not thoroughly-dried grinding dust. (autoxidation); keep away from oxygen and light.

Risk of explosion:

The product is not explosion dangerous, however the building of explosion-dangerous steam/air mixtures is possible.

Exposition limits (LEL, UEL):**upper:** 7,0 Vol. % **lower:** 0,6 Vol. %**Vapor pressure:**

n.a.

Solidification:

n.a.

pH-Value:

n.a.

Density:by 20 °C ca. 0.87 g/cm³**Water solubility:**

insoluble

Viscosity:

kinematic > 7 cSt (by 40 °C)

10. Stability and reactivity**Dangerous reactions:****Materials to avoid:** Avoid contact with strong oxidising agents.**Hazardous decomposition products:** No hazardous decomposition products known.**11. Toxicological information**

The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

Practical experience: According to the general experience there are no other hazards expected than those which are already mentioned on the label. Watch out for possible allergic reaction to particular agents.***Information on ingredients*****Acute toxicity:**

Component (Name)	Kind	Value	Species
Hydrocarbon-mixture	isoaliphatic	oral 6000 mg/kg	Rats

Primary irritation**After inhalation:** Steam concentrations above the recommended workplace value cause irritation to the eyes and respiratory system. Headaches, dizziness and disturbances of the central nervous system can likewise be caused.**After skin contact:** Small poison effect. More frequently or persisting skin contact can degrease and drain the skin, which can lead to skin disorders and inflammations (Dermatitis). Through the wood oil rate, it can with persisting contact to sensitive skin, come to irritation and sensitization.**After eye contact:** Through the wood oil rate, it can come to irritation and sensitization, which however might not lead to a classification with R 36.**After swallowing:** Smaller quantities, which comes through swallowing or following vomiting into the lungs, can lead to a pulmonary edema or to pneumonia. Very small poison effect.**12. Ecological information****General information:** Do not allow to enter groundwater, water bodies or drains. Contain weak water-endangering solvents, according to WGK 1.**Ecotoxicity:****Persistence and degradability:** n.a.**13. Disposal considerations****Recommendation:** Dispose of waste according to applicable local, state, and federal regulations.**Waste codes in accordance with EWC (European Waste Catalogue):** 08 01 11 Waste paint and varnish contained organic solvents or other dangerous substances.**Disposal considerations:****Appropriate disposal / packaging:** Contaminated packing must be completely emptied and can be recycled after proper cleaning.

14. Transport informationLand transport (ADR/RID) and GGVS/GGVE: Non dangerous goods in the sense of these transport regulations.**ADR / RID-GGVS/ E Class:**
Kemmler number:
Description of the goods:**Cipher/letter:**
UN Number:Marine transport (IMDG) / GGVSee:

Non dangerous goods in the sense of these transport regulations.

IMDG / GGVSee- Class:
UN Number:
EMS No.:
Proper technical name:**Page:**
Packaging group:
MP:Air transport (ICAO-TI / IATA-DGR):

Not classified for this transport carrier.

ICAO/ IATA- Class:
Groupe d'emballage:
Proper technical name:**UN/ ID Number:****15. Regulatory information****Classification and labeling according to EC regulations / Hazardous Goods Act****Hazard symbols and hazard statements of the product:** Xi, Irritant

Contains limonene, Cobalt(2+)salts. Can cause allergic reactions.

Hazardous components for labeling: Wood oil; isoaliphates**R-phrases:** R 43 May cause sensitisation by skin contact.**S-phrases:**
S 2 Keep out of the reach of children.
S 24 Avoid contact with skin.
S 37 Wear suitable gloves.
S 62 If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.**National regulations****Water endangement class:** WGK 1 (Selbsteinstufung): schwach wassergefährdend**VOC content:** 55 - 60% (according to the different colors)**16. Other Information****Exact wording of the R-phrases mentioned under point 2 and 3:**R 53 May cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.**Data sources:**<http://www.baua.de>**Data Sheet issued by:****Product Safety Department**

The information described in this datasheet refers exclusively to the characteristics and safety requirements of this particular product. They cannot apply however any longer, if the product is mixed with other materials or is used during a different process. The statements correspond to our knowledge and experiences at the indicated time. However, no guarantee for soundness, reliability and completeness is given. The user must make sure of all the facts that all specifications for his respective use are suitable and complete.