

Safety Data Sheet

Revision date: 07-06-2024

Hard Oil
Product code: L-240

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

1.1. Product identifier

Hard Oil

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

Use of the substance/mixture

Vegetable resin paints
Paints and varnishes

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	LEINOS Naturfarben	
	Reincke Naturfarben GmbH	
Street:	Industriestraße 3	
Place:	D-21640 Horneburg	
Telephone:	+49 (0)4163-86 747-0	Telefax: +49 (0)4163-86 747-29
E-mail:	info@leinos.de	
E-mail (Contact person):	reincke.naturfarben@t-online.de	
Internet:	www.leinos.de	
Responsible Department:	+49 (0)4163-86 747-0 (8:00 - 17:00 h)	

1.4. Emergency telephone number:

+49 (0)4163-86 747-0 (8:00 - 17:00 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

isoalkane

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways

Precautionary statements

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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Special labelling of certain mixtures

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Spontaneous ignition possible through autoxidation of cloths soaked in the product.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-96-7	isoalkane			40-50 %
	265-200-4			
	Asp. Tox. 1; H304 EUH066			
13463-67-7	titanium dioxide			0 - 8 %
	236-675-5	022-006-00-2		
	Carc. 2; H351			
27253-29-8	Zinc Neodecanoate			0,1 - <0,5 %
			01-2119978981-18	
	Aquatic Chronic 3; H412			
27253-32-3	Manganese Neodecanoate			0,1- < 03 %
	248-374-6			
	STOT RE 2; H373			
39049-04-2	Zirconium neodecanic acid salt			0,1- < 0,3 %
	254-259-1		01-2120770770-52	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Never give anything by mouth to an unconscious person or a person with cramps.

If unconscious but breathing normally, place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.

After contact with skin, wash immediately with plenty of water and soap.

Do not wash with: Solvents/Thinner

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Call a physician immediately.

Put victim at rest, cover with a blanket and keep warm.

Do NOT induce vomiting.

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SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Hazardous decomposition products: carbon black.

Use appropriate respiratory protection.

5.3. Advice for fire fighters

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep away from sources of ignition - No smoking. Ventilate affected area.

Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Other information

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed and suitable containers for disposal. Disposal: see section 13

Clean with detergents. Avoid solvent cleaners.

SECTION 7: Handling

7.1. Precautions for safe handling

Advice on safe handling

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Only use the material in places where open light, fire and other flammable sources can be kept away.

Use explosion-proof electrical equipment. Filling and transfer: Take precautionary measures against static discharges. Provide earthing of containers, equipment, pumps and ventilation facilities. Wear anti-static footwear and clothing. Use only antistatically equipped (spark-free) tools.

Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists, Inhalation of dust/particles. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion

Solvent - Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Further information on handling

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

Hints on joint storage

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Do not store together with: , Strong acid, Strong alkali

Further information on storage conditions

Follow the instructions for use on the label.

storage temperature 5 30.

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Permissible Limits of Exposure

CAS No	Substance	ppm	mg/m ³	fibre/cc	Category	Origin
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		2.5		TWA (8 h)	ACGIH-2023
13463-67-7	Titanium dioxide: Nanoscale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2023

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Hand protection

Replace when worn. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: Nitrilkautschuk

Breakthrough time:: >= 8 hmin.

Use protective skin cream before handling the product.

Skin protection

Wear anti-static footwear and clothing (Natural fibres (e.g. cotton) / heat-resistant synthetic fibres)

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.

Use suitable breathing apparatus.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid:
Colour: various
Odour: mild

Melting point/freezing point:

not applicable

Test method

ASTM D 1120

Boiling point or initial boiling point and
boiling range:

> 180 °C

Lower explosion limits:

0,6 g/m³

VDI 2263

Upper explosion limits:

7,0 g/m³

VDI 2263

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Flash point:	> 61 °C	ASTM D 3278
Auto-ignition temperature:		ASTM E 659
Decomposition temperature:		EC: 440/2008 A.4.
Viscosity / kinematic (at 40 °C):	< 21 mm ² /s	
Water solubility:	This information is not available.	
Partition coefficient n-octanol/water:	This information is not available.	
Density (at 20 °C):	0,86 - 0,93 g/cm ³	DIN 53217
Bulk density:		NF T 20-053
Relative vapour density:	This information is not available.	
Particle characteristics:	not relevant	

9.2. Other information

Information with regard to physical hazard classes

Explosive properties		
not relevant		
Sustaining combustion:	Not sustaining combustion	UN Test L.2
Self-ignition temperature		
Solid:	n.a.	

Oxidizing properties
not relevant

Other safety characteristics

Solvent separation test:	not relevant	
Sublimation point:	not relevant n.a.	
Softening point:	n.a.	
Pour point:	n.a.	
Viscosity / dynamic:	not determined	
Flow time (at 40 °C):	51 s	3 DIN EN ISO 2431

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: , Strong acid, Strong alkali

10.4. Conditions to avoid

Hazardous decomposition products

10.5. Incompatible materials

Oxidizing agent

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), carbon black, Carbon dioxide (CO₂), Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation

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dust/mist) > 5 mg/l

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways

Observe risk of aspiration if vomiting occurs.

Practical experience

Following inhalation:

May cause respiratory irritation. Depression of central nervous system.

Symptoms: Headache, Dizziness, Dizziness, Unconsciousness

After eye contact:

Irritating to eyes. (reversible.)

Following ingestion:

Symptoms: Nausea, Vomiting, Gastrointestinal complaints

Following skin contact:

11.2. Information on other hazards**Other information****Further information**

There are no data available on the mixture itself.

Reference to other sections: 2, 3

SECTION 12: Ecological information**12.1. Toxicity**

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

12.4. Mobility in soil

Based on available data, the classification criteria are not met.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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12.6. Other adverse effects

No data available

12.7 Other Information

There are no data available on the mixture itself.
Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: 440 g/l : Kategorie f

Subcategory (EU-VOC): Interior and exterior minimal build woodstains - Solvent-borne coatings, VOC limit value: 700 g/l

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles. Observe employment restrictions for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

SECTION 16: Other information**Abbreviations and acronyms**

Asp. Tox: Aspiration hazard

Carc: Carcinogenicity

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)