

Safety data sheet
as per 1907/2006/EC, Article 31

944900


Reviewed on: 18.01.2021

Printing date: 18.01.2021

SECTION 01: Identification of the substance/mixture and of the company undertaking

- **1.1 Product identifier**
- **Trade name:**
Hard Oil
- **SDB-group**
23197-3
- **UFI:**
WXEQ-4NAY-400S-85AE
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Surface protection
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Alfred Clouth
Lackfabrik GmbH & Co. KG
Otto-Scheugenpflug-Straße 2
63073 Offenbach/Main
Germany
Tel.: +49 69 - 89 00 7 - 0 / Fax : +49 69 - 89 00 7 - 140
E-Mail: info@clou.de / www.clou.de
- **Further information obtainable from:**
Laboratory:
Tel.: +49 69 89 00 7 - 104 / Fax: +49 69 89 00 7 - 48104
E-Mail: cosima.sattler@clou.de
- **1.4 Emergency telephone number:**
Giftinformationszentrum - Nord
Universitätsklinikum
Bereich Humanmedizin
Robert Koch Str.40
37075 Göttingen
Deutschland
Tel.: + 49 551 / 1 92 40

SECTION 02: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 - H226 Flammable liquid and vapour.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms**

GHS02
- **Signal word**
Warning
- **Hazard statements**
H226 Flammable liquid and vapour.
EUH066 Repeated exposure may cause skin dryness or cracking.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof equipment.

P243 Take action to prevent static discharges.

P280 Wear protective gloves.

P370+P378 In case of fire: Use to extinguish: CO₂, sand, extinguishing powder.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**
Not applicable.
- **vPvB:**
Not applicable.






SECTION 03: Composition/information on ingredients

• **3.2 Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS Number		%
-	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics EC number: 918-481-9 Record number 01-2119457273-39  Asp. Tox. 1 - H304	25-50
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics EC number: 919-857-5 Record number 01-2119463258-33  Asp. Tox. 1 - H304;  Flam. Liq. 3 - H226;  STOT SE 3 - H336	5-12,5
84418-68-8	Neodecanoic acid, zinc salt, basic EC number: 282-780-4 Record number 01-2120770060-67  Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411	< 0,2

• **SVHC**

This product contains no substances in the SVHC list in a concentration > 0,1 %.

• **Additional information:**

For the wording of the listed risk phrases refer to section 16.

SECTION 04: First aid measures

• **4.1 Description of first aid measures**

• **General information:**

Take off or remove contaminated clothing immediately.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• **After inhalation:**

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- Seek medical treatment in case of complaints.
- **After skin contact:**
Wash thoroughly with soap and water immediately and rinse well.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Drink copious amounts of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**
Treat symptomatically.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 05: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Carbon dioxide
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:**
Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Bring if possible, containers from the danger zone. With heating up, printing increase, Berst and danger of explosion.

SECTION 06: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Protection regulations (see point 7 and 8) to consider.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
In case of seepage into the ground inform responsible authorities.
Do not allow to enter sewers/ surface or ground water.
Possible warning the neighbourhood.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
- **Respiratory protection:** If the solvent concentration is above WEL limits, a breathing mask approved for this purpose must be worn. Filter A2/P2.
- **Protection of hands:** The glove material has to be impermeable and resistant to the product the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Preventive skin protection by use of skin-protecting agents is recommended. Protective gloves made of latex / neoprene. Degradation effect G to E Instalment of permeation E to ND ($< 0.9 \mu\text{g} / \text{cm}^2 / \text{min}$). Protective factor index: special subject class 6. Clean skin thoroughly after work and put on skin protecting cream. After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Eye protection: Safety glasses**
- **Body protection: Protective work clothing**

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Transparent
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not usable on solvent preparations.

Change in condition Phase transfer: fluid - solid

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
Flash point (approximately):	56,0 °C DIN 51 755
Flammability (solid, gas):	Not applicable.
Ignition temperature (approximately):	240,00 °C (lowest value of the single components)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting. Due to the danger of self-ignition soaked cloths, however, should be moistened with water and eliminated then.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	0,60 Vol %
Upper:	6,50 Vol %
Oxidising properties	Not determined
Vapour pressure:	Not determined.
Density:	0,8880 g/cm ³
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Organic solvents Insoluble.

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Partition coefficient: n-octanol/water:	Not determined.
Viscosity (according to DIN 53211)	
Dynamic:	Not determined.
Kinematic:	at 40,00 °C 48,60 mm ² /s
Solvent separation test:	< 3 %
Solvent content (approximately):	
Organic solvents (approximately):	49,00 %
VOC (EC)	432,00 g/l
Solids content (approximately):	51,00 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
On storage in containers no traffic laws intolerances are to be expected with the tank shell.
- **10.2 Chemical stability**
Stable at room temperature
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Forms explosive gases/fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- **10.4 Conditions to avoid**
No further relevant information available.
- **10.5 Incompatible materials:**
No further relevant information available.
- **10.6 Hazardous decomposition products:**
Flammable gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**
 - **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics**
Oral, LD50: > 5000 mg/kg (rat)
Dermal, LD50: > 5000 mg/kg (Rabbit)
Inhalative, LC50/4h: > 5 mg/l (rat)
 - 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics**
Oral, LD50: > 5000 mg/kg (rat)
Dermal, LD50: > 5000 mg/kg (Rabbit)
Inhalative, LC50/4h: > 5 mg/l (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Repeated exposure may cause skin dryness or cracking.
Frequent and prolonged skin contact can cause irritation and inflammation of the skin.
- **Serious eye damage/irritation**
Irritating effect.
- **Respiratory or skin sensitisation**
No sensitising effects known.
- **Additional toxicological information:**

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The breathing in of solvent proportions above the value of M. W. C.-value can lead to health damages, such as irritating mucous membranes and respiratory organs, kidney and liver damages as well as to the impairment of the central nervous system. Signs and symptoms: Headache, dizziness and tiredness, myasthenia, numbing effect and also unconsciousness in exceptional cases. Longer and repeated skin contact can lead to drying out the skin or to skin irritations, respectively. Solvent splashes can lead to eye irritations and reversible damages. In such cases a physician should be consulted at once.

The product shows the following dangers based on the calculation method of the General EU Classification Guidelines for Substances and Mixtures according to the CLP Regulation in the latest version:

EUH066 Repeated exposure may cause skin dryness or cracking.

- **CMR effects (carcinogenicity, mutagenicity and toxicity 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**

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

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes,
cyclics, <2% aromatics

Dermal, L(E)C50: > 100 mg/l (fish)

Dermal, L(E)C50: > 100 mg/l (alga)

Dermal, L(E)C50: > 100 mg/l (daphnie)

Dermal, NOEC: > 0,1 - 1,0 mg/l (fish)

Dermal, NOEC: > 0,1 - 1,0 mg/l (daphnie)

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes,
cyclics, < 2% aromatics

Dermal, L(E)C50: 2200 mg/l (fish)

Dermal, L(E)C50: 2,6 mg/l (daphnie)

- **12.2 Persistence and degradability**

No further relevant information available.

- **12.3 Bioaccumulative potential**

No further relevant information available.

- **12.4 Mobility in soil**

No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:**

Not applicable.

- **vPvB:**

Not applicable.

- **12.6 Other adverse effects**

No further relevant information available.

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*(continued of page 7)***SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**

- **Recommendation**

The mentioned waste code number according to the European waste code catalogue are regarded as a recommendation. A final determining has to be effected in agreement with the regional place of waste disposal as well as the competent authorities.

Must not be deposited together with domestic waste. Do not empty into drains.

- **Waste disposal key:**

08 01 11 waste paint and varnish containing organic solvents or other hazardous substances

- **European waste catalogue**

08

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01

wastes from MFSU and removal of paint and varnish

08 01 11

waste paint and varnish containing organic solvents or other hazardous substances

- **Uncleaned packaging:**

Disposal of uncleaned packagings according to European waste code number 15 01 10.

- **Recommendation:**

Disposal according to 15 01 04 (metal).

EAK-Nummer 15 01 02 / plastic

Packaging can be reused or recycled after cleaning.

The product is not self-igniting. However, soak used rags in water and dispose of them due to the danger of self-ignition.

- **Recommended cleansing agents:**

CLOU EV Thinner

SECTION 14: Transport information

- **14.1 UN-Number**

ADR UN1263

IMDG UN1263

IATA UN1263

ADR 1263 PAINT (HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)

IMDG PAINT

IATA PAINT

- **14.3 Transport hazard class(es)**

ADR

Class 3 (F1) Flammable liquids.

Label



IMDG

Class 3 Flammable liquids.

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Label



IATA

Class

3 Flammable liquids.

Label



- **14.4 Packing group**

ADR III

IMDG III

IATA III

- **14.5 Environmental hazards:**

Not applicable.

- **14.6 Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler): 30

EMS Number: F-E,S-E

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **Transport/Additional information:**

Not applicable.

Excepted quantities (EQ): E1

Limited quantities (LQ) 5L

Transport category 3

Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) E1

- **UN "Model Regulation":**

UN 1263 PAINT (HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS), 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **REGULATION (EC) No 1907/2006 ANNEX XVII**

Conditions of restriction: 3, 40

- **National regulations:**

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- **Information about limitation of use:**

Pregnant and breastfeeding women and young persons.

- **15.2 Chemical safety assessment:**

For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

The compliance with the application conditions and measures for risk minimisation contained in this material safety data sheet ensures the conformity with the existing exposure scenarios.

- **Storage class:**

3

SECTION 16: Other information

- **Other information:**

- **Reasons for changes**

SDS with UFI

- **Relevant phrases**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

- **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Department issuing MSDS:**

Laboratory / Department of Material Safety Data Sheets:

Phone: +49 69 89 00 7 - 104 / Fax: +49 69 89 00 7 - 48104/

E-Mail: cosima.sattler@clou.de

- **Information:**

The information given in this safety data sheet is based on the present level of knowledge, but does not represent an assurance of product characteristics.

The user is responsible for observing all necessary legal regulations.

For further information on the handling and application of the product(s), please refer to our label and the technical instructions leaflet or contact our Customer Service Department on Tel.: +49 69 / 89 00 7 -124, -107 or -227.

According to § 14 GefStoffV the employer must provide instruction to the employees affected on the basis of the operating instructions every year. The content and time of the instruction is to be recorded in writing and confirmed by signatures from those receiving instruction.

Please observe work safety measures in items 8 and 15.

Use only for intended purposes. Keep out of the reach of children.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**