

Safety Data Sheet

Stone Oil

Issued: 08/03/2025
Version: 1.0.0

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

1.1. Product identifier

Trade name: Stone Oil

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

Recommended uses: Surface treatment

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Guardian Protection Products A/S
Address: Knudevejen 22
Zip code: 6600
City: Vejen
Country: DENMARK
Email: guardian@guardian.dk
Phone: +45 75471767
Fax: +45 75471787

1.4. Emergency Telephone Number

+45 75 47 17 67 (Guardian Protection Products A/S)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Aquatic Chronic 4;H413

Most serious harmful effects: May cause long lasting harmful effects to aquatic life. May cause slight irritation to the skin and eyes.

2.2. Label elements

Hazard Statements

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P501 Dispose of contents/container in accordance with local regulation.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.
Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
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Alkanes, C9-12-iso-	90622-57-4 918-167-1 01-2119472146-39	25 - 50 %	4	Flam. Liq. 3;H226 Asp. Tox. 1;H304 Aquatic Chronic 4;H413 EUH066
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics	927-632-8 01-2119457736-27	25 - 50 %	4	Asp. Tox. 1;H304 EUH066

Please see section 16 for the full text of H- / EUH-phrases.

4 = H304 is not applicable due to the high viscosity of the product.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
General:	When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes. Ingestion may cause discomfort.

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

No special immediate treatment required. Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam, carbon dioxide or water mist.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stop leak if this can be done without risk. Wear gloves.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

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6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Rinse with water.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely out of reach of children and not together with food, feed, medicine and the like. Keep in tightly closed original packaging. Do not store with the following: Oxidisers/ Strong acids/ Strong alkalis.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit:	Contains no substances subject to reporting requirements.
Measuring methods:	Compliance with occupational exposure limits may be checked by occupational hygiene measurements.
Legal basis:	Commission Directive 2000/39/EC (Occupational Exposure Limits) as subsequently amended. Last amended by Commission Directive 2019/1831/EU. Directive 2004/37/EC (Exposure to carcinogens or mutagens at work) as subsequently amended. Last amended by Directive 2024/869/EU. Directive 2009/148/EC (Exposure to asbestos at work) as subsequently amended. Last amended by Directive 2023/2668/EU.

8.2. Exposure controls

Appropriate engineering controls:	Wear the personal protective equipment specified below.
Personal protective equipment, eye/face protection:	Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 16321.
Personal protective equipment, skin protection:	Wear gloves. Type of material and thickness: Nitrile rubber. 0,38 mm. Penetration time: >8 hours. Gloves must conform to EN 374.
Personal protective equipment, respiratory protection:	Not required. In case of spraying/formation of spraying mists: Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.
Environmental exposure controls:	Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Multiple colours
Odour	Characteristic
Solubility	Not miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	0.5 - 7 vol%	
Lower and upper explosion limit	No data	
Flash Point	> 62 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	28 - 32	sec (4 mm cup)
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
relative density	0.88 g/ml	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
VOC (Volatile organic compounds):	31% / 273 g/l	

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Oxidisers/ Strong acids/ Strong alkalis.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

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Do not expose to heat (e.g. sunlight).

10.5. Incompatible materials

Oxidisers/ Strong acids/ Strong alkalis.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed:
Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Alkanes, C9-12-iso-, cas-no 90622-57-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
			> 5000 mg/kg			

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics, EC-no 927-632-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg			

Ingestion may cause discomfort. The product does not have to be classified.

Acute toxicity - dermal

Alkanes, C9-12-iso-, cas-no 90622-57-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
			> 5000 mg/kg		OECD 402	

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics, EC-no 927-632-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 3160 mg/kg			

The product does not have to be classified.

Acute toxicity - inhalation

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics, EC-no 927-632-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4h	> 5000 mg/m ³			

The product does not have to be classified.

Skin corrosion/irritation:

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.
The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation:

May cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation:

The product does not have to be classified. Test data are not available.

Germ cell mutagenicity:

The product does not have to be classified. Test data are not available.

Carcinogenic properties:

The product does not have to be classified. Test data are not available.

Reproductive toxicity:

The product does not have to be classified. Test data are not available.

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Single STOT exposure: Inhalation of vapours/spray mist may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available. Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Alkanes, C9-12-iso-, cas-no 90622-57-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLL0	1000 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEL0	1000 mg/l			
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l			
Algae	Pseudokirchneriella subcapitata		72hNOELR	1000 mg/l			

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics, EC-no 927-632-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Skeletonema costatum		72hNOELR	3198 mg/l			
Fish			96hLL50	> 1028 mg/l			
Crustacea	Daphnia		48hEL50	> 3193 mg/l			
Algae	Skeletonema costatum		72hEL50	> 3198 mg/l			

May cause long lasting harmful effects to aquatic life.

12.2. Persistence and degradability

Alkanes, C9-12-iso-, cas-no 90622-57-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		31.3 %			

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics, EC-no 927-632-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		74 %			

Test data are not available for all substances.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

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Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

EWC code: Depends on line of business and use, for instance 14 06 03* other solvents and solvent mixtures
Absorbent/cloth contaminated with the product: EWC code: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions:

None known.

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15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119457736-27	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics
01-2119472146-39	Alkanes, C9-12-iso-

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	08/03/2025	SUJ	

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components.

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

SDS is prepared by

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