

Safety Data Sheet

Linoleum Soap

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: Linoleum Soap

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

Recommended uses: Care product. Soap

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: The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures..

Most serious harmful effects: May cause slight irritation to the skin and eyes.

2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures..

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
Paraffin oils, sulfochlorinated, saponified	68188-18-1 269-144-1	1 - 5 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Aquatic Chronic 3;H412

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

Ingredient comments: Pursuant to Regulation (EC) No. 648/2004 on detergents:

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less than 5%:
non-ionic surfactants
anionic surfactants

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 the skin with 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.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. 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. Wear safety goggles if there is a risk of eye splash.
For emergency responders:	In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

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Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

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

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. Storage temperature: 15 - 25 °C.

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.

PNEC

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,006 mg/l			
PNEC sediment (freshwater)	0,05 mg/kg			
PNEC aqua (marine water)	0,0006 mg/l			
PNEC sediment (marine water)	0,005 mg/l			
PNEC soil	0,006 mg/l			
PNEC aqua (intermittent releases (fresh water))	0,011 mg/l			
PNEC aqua (intermittent releases (marine water))	0,0011 mg/l			
PNEC STP (wastewater-treatment facilities)	8,1 mg/l			

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DNEL - workers

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (acute/short-term exposure - systemic effects)	136 mg/kg bw/day				
Dermal DNEL (long-term exposure - systemic effects)	17 mg/kg bw/day				
Inhalation DNEL (long-term exposure - local effects)	10 mg/m ³				
Inhalation DNEL (acute/short-term exposure - local effects)	10 mg/m ³				
Inhalation DNEL (long-term exposure - systemic effects)	118 mg/m ³				

DNEL - general population

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	10 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	10 mg/kg bw/day				

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, hand protection:

Plastic or rubber gloves recommended. Gloves must not necessarily comply with a certain standard.

Personal protective equipment, respiratory protection:

Not required.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	White
Odour	Characteristic
Solubility	Complete

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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	No data	
Lower and upper explosion limit	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
relative density	No data	
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):	0%	

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong alkalis/ Strong oxidisers/ Strong reducing agents/ Strong acids.

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

None known.

10.5. Incompatible materials

Strong alkalis/ Strong oxidisers/ Strong reducing agents/ Strong acids.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

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SECTION 11: Toxicological information

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

Acute toxicity - oral

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1271 mg/kg		OECD 401	

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg		OECD 402	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation: The product does not have to be classified. Test data are not available.

Skin corrosion/irritation

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		3h		Irritating	OECD 404	

May cause slight irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Serious eye damage/eye irritation

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating	OECD 405	

May cause eye irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Respiratory sensitisation or skin sensitisation

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising	OECD 406	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Bacteria				No mutagenic effects observed.	OECD 471	
Mouse				No mutagenic effects observed.	OECD 474	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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

Reproductive toxicity

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Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL		270 mg/kg bw		OECD 416	
Rat	NOAEL		1200 mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL (Oral)	12 m	200 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Scenedesmus subspicatus		72hEC50	246.89 mg/l		OECD 201	
Algae	Scenedesmus subspicatus		72hNOEC	32 mg/l		OECD 201	
Fish	Danio rerio		96hLC50	1.10 mg/l		OECD 203	
Crustacea	Daphnia magna		48hEC50	3.25 mg/l		OECD 202	
Bacteria		3 h	EC50	810 mg/l		OECD 209	
Crustacea	Daphnia magna		21dNOEC	0.6 mg/l		OECD 202	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		82 %		OECD 301 F	

Test data are not available for all substances.

12.3. Bioaccumulative potential

Paraffin oils, sulfochlorinated, saponified, cas-no 68188-18-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	-0.18 - 3.26			

Test data are not available for all substances.

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12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product contains 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

Do not discharge large quantities of concentrated spills and residue into drains. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

EWC code: Depends on line of business and use, for instance 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

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: Covered by:
Regulation (EC) of the European Parliament and of the Council on detergents.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

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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
PNEC: Predicted No Effect Concentration
DNEL: Derived No Effect Level
UFI: Unique formula identifier.

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

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

SDS is prepared by

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