

Safety Data Sheet

Poly Wash

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: Poly Wash

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: Eye Irrit. 2;H319

Most serious harmful effects: Causes serious eye irritation.

2.2. Label elements

Pictograms



Signal word: Warning

Hazard Statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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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
Fatty alkyl sulfates-Na-salt	68891-38-3 500-234-8 01-2119488639-16	5 ≤ 10 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Chronic 3;H412 C ≥ 10%: Eye Dam. 1;H318 5% ≤ C < 10%: Eye Irrit. 2;H319
Quaternary ammonium compounds, alkyltrimethyl, methosulphates	96690-44-7 306-238-4	< 1 %		Acute Tox. 4;H302 Skin Corr. 1B;H314 Eye Dam. 1;H318 Aquatic Acute 1;H400

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

Ingredient comments:

Pursuant to Regulation (EC) No. 648/2004 on detergents:
5% or over but less than 15%:
anionic surfactants
less than 5%:
amphoteric surfactants
cationic surfactants
Also contains:
perfumes
METHYLCHLOROISOTHIAZOLINONE
BENZISOTHIAZOLINONE
SODIUM PYRITHIONE

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
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. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Irritating to eyes. Causes a burning sensation and tearing. May irritate the skin - may cause reddening.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media: 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

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

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. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles.

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

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 must 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

To be stored safely out of reach of children and not together with food, feed, medicine and the like. Store frost-free. Storage temperature: 20 °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.

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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

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC STP (wastewater-treatment facilities)	10000 mg/l			
PNEC aqua (intermittent releases)	0,071 mg/l			
PNEC aqua (freshwater)	0,24 mg/l			
PNEC aqua (marine water)	0,024 mg/l			
PNEC sediment (freshwater)	0,9168 mg/kg			
PNEC sediment (marine water)	0,09168 mg/kg			

DNEL - workers

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	175 mg/m³				
Dermal DNEL (long-term exposure - systemic effects)	2750 mg/kg				

DNEL - general population

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	1650 mg/kg				
Oral DNEL (long-term exposure - systemic effects)	15 mg/kg				
Inhalation DNEL (long-term exposure - systemic effects)	52 mg/m³				

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles. Eye protection must conform to EN 16321.

Personal protective equipment, hand protection: Plastic or rubber gloves recommended.

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Personal protective equipment, Not required.
respiratory protection:

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	Yellow
Odour	Characteristic
Solubility	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	≥ 100 °C	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit		Non-explosive
Flash Point	No data	
Auto-ignition temperature		Not spontaneously flammable
Decomposition temperature	No data	
pH (solution for use)	7.5 - 8.5	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	15 - 20 S	4 DIN EN ISO 2431
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
relative density	1.02 - 1.03	(20 °C)
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

Not reactive.

10.2. Chemical stability

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

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10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

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

Acute toxicity - oral

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg		OECD 401	

Quaternary ammonium compounds, alkyltrimethyl, methosulphates, cas-no 96690-44-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		300 - 2000 mg/kg			

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

Acute toxicity - dermal

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 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: May cause slight irritation. Test data are not available. The product does not have to be classified.

Serious eye damage/eye irritation: Irritating to eyes. Causes a burning sensation and tearing.

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.

Single STOT exposure: 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.

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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

Fatty alkyl sulfates-Na-salt, cas-no 68891-38-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus		LC50	10 -< 100 mg/l		(DIN EN ISO 7346-2)	
Algae	Scenedesmus subspicatus		EC50	> 100 mg/l		OECD 201	
Fish	Leuciscus idus		NOEC	1 - 10 mg/l			
Bacteria			EC0	> 100 mg/l		OECD 209	
Crustacea	Daphnia magna		EC50	10 - 100 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

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

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

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. Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

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

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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

REACH Reg. No.	Substance name
01-2119488639-16	Fatty alkyl sulfates-Na-salt

SECTION 16: Other information

Version history and indication of changes

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

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

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.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.

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H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

SDS is prepared by

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