SAFETY DATA SHEET

Keramiskt Schampo

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼*Trade name:*	Keramiskt Schampo
Product no.:	1470
Unique formula identifier (UFI):	H69H-VP3R-VDHX-NUMD

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

Relevant identified uses of the substance or mixture:	Car shampoo
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet

Company and address:	**Tim Liljegren AB** Stubbelycke 164 373 45 Rödeby Sweden
E-mail:	info@timliljegren.se
Revision:	22/07/2025
SDS Version:	1.1
Date of previous version:	04/02/2025 (1.0)

1.4. Emergency telephone number

In urgent situations: Call 112 and request the poison information centre. (24h service)
In less severe situations: Call 010-456 6700 (24h service)
See also section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Eye Dam. 1; H318, Causes serious eye damage.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):

Signal word:	Danger
Hazard statement(s):	Causes serious eye damage. (H318) Harmful to aquatic life with long lasting effects. (H412)
Precautionary statement(s):	
General:	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)

Prevention:	Wear eye protection. (P280)
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER/doctor. (P310)
Storage:	-
Disposal:	Dispose of contents/container an approved waste disposal plant (P501)
Hazardous substances:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts 1-Heptanol, 2-propyl- , 8EO 1,2-benzisothiazol-3(2H)-one
Additional labelling:	EUH208, Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. UFI: H69H-VP3R-VDHX-NUMD
Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):	< 5% · Amphoteric surfactants · Non-ionic surfactants · Perfumes · Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:	This product contains a vPvB and/or PBT substance: Octamethylcyclotetrasiloxane (PBT / vPvB) This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts	CAS No.: 97862-59-4 EC No.: 931-296-8 REACH: 01-2119488533-30 Index No.:	1-3%	Eye Dam. 1, H318 (SCL: 10.0000001 %) Eye Irrit. 2, H319 (SCL: 4.0000001 %) Aquatic Chronic 3, H412	
Polydimethylsiloxane, diquaternary	CAS No.: 134737-05-6 EC No.: REACH: Index No.:	1-3%	Aquatic Chronic 2, H411	
1-Heptanol, 2-propyl- , 8EO	CAS No.: 160875-66-1 EC No.: REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
(2-	CAS No.: 34590-94-8	1-3%		[1]

methoxymethylethoxy)propanol	EC No.: 252-104-2 REACH: 01-2119450011-60 Index No.:			
citric acid	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: Index No.:	<0.1%	Eye Irrit. 2, H319 STOT SE 3, H335	
1,2-benzisothiazol-3(2H)-one	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH: Index No.: 613-088-00-6	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	
Octamethylcyclotetrasiloxane	CAS No.: 556-67-2 EC No.: 209-136-7 REACH: 01-2119529238-36-XXXX Index No.: 014-018-00-1	<0.05%	Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 1, H410 (M=10)	[3], [5], [6], [7]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.
[3] According to REACH, Annex XVII, the substance is subject to restrictions.
[5] Substance is included in the Candidate List of substances of very high concern (SVHC).
[6] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[7] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact: IF ON SKIN: Wash with plenty of water/water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap.
If skin irritation occurs: Get medical advice/attention.

Eye contact: If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion: If the person is conscious, rinse the mouth with water and

stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns: Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. ▼Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 112, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:	Always store in containers of the same material as the original container.
Storage conditions:	Room temperature 18 to 23°C
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

(2-methoxymethylethoxy)propanol
Short term exposure limit (15 minutes) (ppm): 75
Short term exposure limit (15 minutes) (mg/m^3): 450
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m^3): 300
Annotations:
H = The substance is easily absorbed through the skin.
V = Indicative short term limit.

The Swedish Work Environment Authority's regulations and general guideline (AFS 2023:14) on limit values for respiratory exposure in the work environment.

DNEL

(2-methoxymethylethoxy)propanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	121 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	283 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	37.2 mg/m^3
Long term – Systemic effects - Workers	Inhalation	308 mg/kg
Long term – Systemic effects - General population	Oral	36 mg/kg bw/day

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts

Duration:	Route of exposure:	DNEL:

Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	12.5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	13.04 mg/m³
Long term – Systemic effects - Workers	Inhalation	44 mg/kg
Long term – Systemic effects - General population	Oral	7.5 mg/m³

Octamethylcyclotetrasiloxane

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Inhalation	13 mg/m³
Long term – Local effects - Workers	Inhalation	73 mg/m³
Long term – Systemic effects - General population	Inhalation	13 mg/m³
Long term – Systemic effects - Workers	Inhalation	73 mg/m³
Short term – Local effects - General population	Inhalation	13 mg/m³
Short term – Local effects - Workers	Inhalation	73 mg/m³
Short term – Systemic effects - General population	Inhalation	13 mg/m³
Short term – Systemic effects - Workers	Inhalation	73 mg/m³
Long term – Systemic effects - General population	Oral	3.7 mg/kg bw/day
Short term – Systemic effects - General population	Oral	3.7 m mg/kg bw/day

PNEC

(2-methoxymethylethoxy)propanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		19 mg/L
Freshwater sediment		70.2 mg/kg
Intermittent release		190 mg/L
Marine water		1.9 mg/L
Marine water sediment		7.02 mg/kg
Sewage treatment plant		4168 mg/L
Soil		2.74 mg/kg

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.013 mg/L
Freshwater sediment		11.1 mg/kg dw
Marine water		0.001 mg/L
Marine water sediment		1.11 mg/kg dw
Sewage treatment plant		3000 mg/L
Soil		0.85 mg/kg dw

citric acid

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.44 mg/L
Freshwater sediment		34.6 mg/kg
Marine water		0.044 mg/L
Marine water sediment		3.46 mg/kg

Sewage treatment plant	-	1000 mg/l
Sewage treatment plant		1000 mg/L
Soil		33.1 mg/kg

Octamethylcyclotetrasiloxane

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.44 µg/L
Freshwater sediment		0.59 mg/kg dw
Marine water		0.044 µg/L
Marine water sediment		0.059 mg/kg dw
Sewage treatment plant		10 mg/L
Soil		0.15 mg/kg dw

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Ensure that eyewash stations and safety showers are located within easy reach.
Apply standard precautions during use of the product.
Avoid inhalation of vapours.

Hygiene measures: In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure: Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Use only CE marked protective equipment.

▼*Respiratory Equipment:*
No specific requirements.

Skin protection:

Recommended	**Type/Category**	**Standards**	
Dedicated work clothing should be worn	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	-	-	EN374-2	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Red
Odour / Odour threshold:	Perfume
pH:	5.5
Density (g/cm^3):	1
▼*Kinematic viscosity:*	No data available.
Particle characteristics:	Does not apply to liquids.

Phase changes

▼*Melting point/Freezing point (°C):*	No data available.
Softening point/range (°C):	Does not apply to liquids.
Boiling point (°C):	100
▼*Vapour pressure:*	No data available.
▼*Relative vapour density:*	No data available.
▼*Decomposition temperature (°C):*	No data available.

Data on fire and explosion hazards

▼*Flash point (°C):*	No data available.
▼*Flammability (°C):*	No data available.
▼*Auto-ignition temperature (°C):*	No data available.
▼*Lower and upper explosion limit (% v/v):*	No data available.

Solubility

Solubility in water:	Completely soluble
▼*n-octanol/water coefficient (LogKow):*	No data available.
▼*Solubility in fat (g/L):*	No data available.

9.2. Other information

Other physical and chemical parameters:	No data available.
▼*Oxidizing properties:*	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. ▼Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

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

▼Acute toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>620 mg/kg

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2335 mg/kg

Product/substance	1-Heptanol, 2-propyl- , 8EO
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>300-2000 mg/kg

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	9510 mg/kg

Product/substance	(2-methoxymethylethoxy)propanol

Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (vapour)
Result:	3.35 mg/L

Product/substance	citric acid
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg

Product/substance	citric acid
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	5400 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	1150 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	597 mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg engångsdos ·

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1020 mg/kg ·

Product/substance	Octamethylcyclotetrasiloxane
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4800 mg/kg

Product/substance	Octamethylcyclotetrasiloxane
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	36 mg/l, 4h ·

Product/substance	Octamethylcyclotetrasiloxane

Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2400 mg/kg ·

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

▼Skin corrosion/irritation

Product/substance	Octamethylcyclotetrasiloxane
Test method:	OECD 404
Species:	Rat
Result:	No adverse effect observed (Not irritating)

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

Serious eye damage/irritation

Product/substance	Octamethylcyclotetrasiloxane
Test method:	OECD 405
Species:	Rabbit
Result:	No adverse effect observed (Not irritating)

Causes serious eye damage.

Respiratory sensitisation

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

▼Skin sensitisation

Product/substance	Octamethylcyclotetrasiloxane
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

This product contains substances that may trigger an allergic reaction in already sensitized persons.

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.

11.2. Information on other hazards

Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

▼Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	1.11 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	1.9 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	ErC50
Result:	2.4 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Fish, Oncorhynchus mykiss
Duration:	37 d
Test:	NOEC
Result:	0.135 mg/L

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.3 mg/L

Product/substance	1-Heptanol, 2-propyl- , 8EO
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	10-100 mg/L

Product/substance	1-Heptanol, 2-propyl- , 8EO
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	10-100 mg/L

Product/substance	1-Heptanol, 2-propyl- , 8EO
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	10-100 mg/L

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Fish, Poecilia reticulata
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/L

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	1919 mg/L

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Daphnia, Daphnia magna
Duration:	22 d
Test:	NOEC
Result:	0.5 mg/L

Product/substance	(2-methoxymethylethoxy)propanol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	>969 mg/L

Product/substance	citric acid
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	440 mg/L

Product/substance	citric acid
Species:	Daphnia
Duration:	24 hours
Test:	LC50
Result:	1535 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	2.44 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0.74 mg/L

Product/substance	Octamethylcyclotetrasiloxane
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	>0.022 mg/L

Product/substance	Octamethylcyclotetrasiloxane
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	0.015 mg/L

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
Result:	91.6%
Conclusion:	Readily biodegradable

Test:	OECD 301 B

Product/substance	1-Heptanol, 2-propyl- , 8EO
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	(2-methoxymethylethoxy)propanol
Result:	75%
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	citric acid
Conclusion:	Readily biodegradable

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 acyl derivs., inner salts
BCF:	71
Conclusion:	No potential for bioaccumulation

Product/substance	1-Heptanol, 2-propyl- , 8EO
Conclusion:	No potential for bioaccumulation

Product/substance	(2-methoxymethylethoxy)propanol
LogKow:	0.0060
Conclusion:	No potential for bioaccumulation

Product/substance	citric acid
LogKow:	-1.7200
Conclusion:	No potential for bioaccumulation

Product/substance	1,2-benzisothiazol-3(2H)-one
LogKow:	1.4
Conclusion:	No potential for bioaccumulation

Product/substance	Octamethylcyclotetrasiloxane
BCF:	12400
LogKow:	5.1000
Conclusion:	Potential for bioaccumulation

12.4. Mobility in soil

(2-methoxymethylethoxy)propanol
LogKoc = 0.28, High mobility potential.

12.5. ▼Results of PBT and vPvB assessment

This product contains a vPvB and/or PBT substance:
Octamethylcyclotetrasiloxane (PBT / vPvB)

12.6. ▼Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
Dispose of contents/container to an approved waste disposal plant.
Waste regulation (SFS 2020:614).

EWC code:	07 06 04*	Other organic solvents, washing liquids and mother liquors

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:	Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	Not applicable.
REACH, Annex XVII:	Octamethylcyclotetrasiloxane is subject to REACH restrictions (entry 70). Octamethylcyclotetrasiloxane is subject to REACH restrictions (entry 40).
Labelling of contents according to	< 5%

Detergents Regulation (EC) No 648/2004:	· Amphoteric surfactants · Non-ionic surfactants · Perfumes · Preservation agent (BENZISOTHIAZOLINONE)
Additional information:	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Sources:	Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. The Swedish Work Environment Authority's regulations and general guideline (AFS 2023:2) on planning and organizing work environment work - basic obligations for you with employer responsibility Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Waste regulation (SFS 2020:614). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H361f, Suspected of damaging fertility.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by

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Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product.
Information in this safety data sheet cannot be used as a product specification.
Country-language: SE-en