



## SAFETY DATA SHEET

## Grovens, med parfume

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

## 1.1. Product identifier

## Trade name

Grovrens, med parfume

## Product no.

8091

## Unique formula identifier (UFI)

C1T8-9AR0-M20M-ATTW

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

## Relevant identified uses of the substance or mixture

Daily Cleaning

## Use descriptors (UK REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC 35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC 28	Manual maintenance (cleaning and repair) of machinery
PROC 19	Hand-mixing with intimate contact and only PPE available
PROC 8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems
ERC 8b	Wide dispersive indoor use of reactive substances in open systems

## Uses advised against

None known.

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Jysk Kemi Service A/S**

Gl. Struervej 50

7500 Holstebro

Denmark

+45 9740 3133

+45 9740 4846

www.jyskkemi.dk

## Contact person

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## E-mail

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## Revision

03/07/2024

## SDS Version

6.0

## Date of previous version

16/01/2024 (5.0)

#### 1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Precautionary statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)

Prevention

Wear eye protection/face protection/protective gloves. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage

-

Disposal

Dispose of contents/container in accordance with local regulation (P501)

Hazardous substances

disodium metasilicate

Sodium Laureth sulfate

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

2-Propylheptanol ethoxylate

Additional labelling

UFI: C1T8-9AR0-M20M-ATTW

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Anionic surfactants
- Non-ionic surfactants
- Phosphates
- Perfumes

### 2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

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) 2018/605.

## 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
disodium metasilicate	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH: Index No.:	3-5%	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335	
Sodium Laureth sulfate	CAS No.: 68891-38-3 EC No.: 500-234-8 UK-REACH: Index No.:	3-5%	Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Aquatic Chronic 3, H412	[19]
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	CAS No.: 68155-07-7 EC No.: 268-935-9 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
2-Propylheptanol ethoxylate	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
3,7-Dimethyloctan-3-ol	CAS No.: 78-69-3 EC No.: 201-133-9 UK-REACH: Index No.:	<0.01%	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	
Benzoic,acid,2-hydroxy-,hexyl,ester	CAS No.: 6259-76-3 EC No.: 228-408-6 UK-REACH: Index No.:	<0.01%	Skin Sens. 1B, H317 Aquatic Chronic 1, H410 (M=1)	

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.

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## 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

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### 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

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### 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.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

#### 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 111, 24 h service) in order to obtain further advice.

Hazchem Code: 2X

### 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.

Keep unauthorized persons away from the spill

#### 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

Avoid direct contact with the product.

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

Keep only in original packaging.

##### Storage temperature

> 0°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

propane-1,2-diol

Long term exposure limit (8 hours) (ppm): 150(total)

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 474(total)/10(particulates)

2-aminoethanol

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2,5

Short term exposure limit (15 minutes) (ppm): 3

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 7,6

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### ▼ DNEL

2-aminoethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3 mg/kg bw/day
Long term – Local effects - General population	Inhalation	280 µg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	510 µg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	180 µg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	1.5 mg/kg bw/day

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	0,0562 mg/cm <sup>2</sup> hud
Long term – Local effects - Workers	Dermal	0,0936 mg/cm <sup>2</sup> hud
Long term – Systemic effects - General population	Dermal	2,5 mg/kg bw/dag
Long term – Systemic effects - Workers	Dermal	4,16 mg/kg bw/dag
Long term – Systemic effects - General population	Inhalation	21,73 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	73,4 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	6,25 mg/kg bw/dag

disodium metasilicate

Duration:	Route of exposure:	DNEL:
Long term	Dermal	1,49 mg/kg uge/dag

Long term	Inhalation	6,22 mg/m <sup>3</sup>
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## propane-1,2-diol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - General population	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	10 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	50 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	50 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	186 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	168 mg/m <sup>3</sup>

## Sodium Laureth sulfate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	79 µg/cm <sup>2</sup>
Long term – Local effects - Workers	Dermal	132 µg/cm <sup>2</sup>
Long term – Systemic effects - General population	Dermal	1650 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2750 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	52 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	175 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	15 mg/kg bw/day

## ▼ PNEC

## 2-aminoethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		70 µg/L
Freshwater sediment		357 µg/kg
Intermittent release (freshwater)		28 µg/L
Marine water		7 µg/L
Marine water sediment		35.7 µg/kg
Sewage treatment plant		100 mg/L
Soil		1.29 mg/kg

## Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,007 mg/l
Freshwater sediment		0,195 mg/kg dwt
Marine water		0,0007 mg/l
Marine water sediment		0,0195 mg/kg dwt
Sewage treatment plant		830 mg/l
Soil		0,035 mg/kg dwt

## propane-1,2-diol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		260 mg/L
Freshwater sediment		572 mg/kg
Intermittent release (freshwater)		183 mg/L
Marine water		26 mg/L

Marine water sediment	57.2 mg/kg
Sewage treatment plant	20 g/L
Soil	50 mg/kg
<b>Sodium Laureth sulfate</b>	
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>
Freshwater	240 µg/L
Freshwater sediment	916.8 µg/kg
Intermittent release (freshwater)	71 µg/L
Marine water	24 µg/L
Marine water sediment	91.7 µg/kg
Sewage treatment plant	10 g/L
Soil	7.5 mg/kg

### 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

Wash contaminated clothing before reuse.

Use only UKCA marked protective equipment.

##### Respiratory Equipment

No specific requirements

##### Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

##### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile - Discard immediately after use	0.2	> 240	EN374-2, EN374-3, EN388
Latex	0.4	-	EN374-2, EN388



Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Vinyl/PVC	0,12	-	EN374-2



## Eye protection

Type	Standards

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## Physical state

Liquid

## Colour

Clear

## Odour / Odour threshold

Faint

## pH

13,0

## pH in solution

11 (1%%)

 Density (g/cm<sup>3</sup>)

1.05 (20 °C)

## Kinematic viscosity

No data available

## Particle characteristics

Not applicable - product is a liquid

## Phase changes

## Melting point/Freezing point (°C)

Not applicable - product is a liquid

## 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)

Testing not relevant or not possible due to nature of the product.

## Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

## Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

## 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



**Evaporation rate (n-butylacetate = 100)**

No data available

**Oxidizing properties**

Testing not relevant or not possible due to nature of the product.

**Other physical and chemical parameters**

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**

Thermal decomposition may produce corrosive vapours.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law****Acute toxicity**

Product/substance	disodium metasilicate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>5000 mg/kg

Product/substance	disodium metasilicate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	> 5000 mg/kg ·

Product/substance	propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	22000 mg/kg ·

Product/substance	propane-1,2-diol
Species:	Rabbit
Route of exposure:	Inhalation
Test:	LC50
Result:	> 317 mg/l ·

Product/substance	propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg ·

Product/substance	2-Propylheptanol ethoxylate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	300-2000 mg/kg ·

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Product/substance	2-aminoethanol
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1089 mg/kg

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Product/substance	2-aminoethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 1,3 mg/L

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#### Skin corrosion/irritation

Product/substance	disodium metasilicate
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)

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Product/substance	2-Propylheptanol ethoxylate
Result:	No adverse effect observed (Not irritating)

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Product/substance	2-aminoethanol
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Product/substance	disodium metasilicate
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)

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Product/substance	2-Propylheptanol ethoxylate
Result:	Adverse effect observed (Causes serious eye damage)

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Product/substance	2-aminoethanol
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)

Causes serious eye damage.

#### Respiratory sensitisation

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

#### Skin sensitisation

Product/substance	disodium metasilicate
Test method:	OECD 429
Species:	Mouse
Result:	No adverse effect observed (not sensitising)

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Product/substance	2-Propylheptanol ethoxylate
Result:	No adverse effect observed (not sensitising)

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Product/substance	2-aminoethanol
Test method:	OECD 406
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

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#### Germ cell mutagenicity

Product/substance	disodium metasilicate
Conclusion:	No adverse effect observed

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Product/substance	2-aminoethanol
Conclusion:	No adverse effect observed

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### Carcinogenicity

Product/substance: disodium metasilicate  
 Conclusion: No adverse effect observed

Product/substance: 2-aminoethanol  
 Conclusion: No adverse effect observed

### Reproductive toxicity

Product/substance: disodium metasilicate  
 Species: Rat, Sprague-Dawley, female  
 Result: >159 mg/kg bw/day  
 Conclusion: No adverse effect observed

Product/substance: 2-aminoethanol  
 Conclusion: No adverse effect observed

### STOT-single exposure

Product/substance: disodium metasilicate  
 Route of exposure: Inhalation  
 Conclusion: Adverse effect observed

### STOT-repeated exposure

Product/substance: disodium metasilicate  
 Conclusion: No adverse effect observed

Product/substance: 2-Propylheptanol ethoxylate  
 Result: 50-700 mg/kg

Product/substance: 2-aminoethanol  
 Conclusion: No adverse effect observed

### Aspiration hazard

Product/substance: 2-aminoethanol  
 Kin. viscosity (mm<sup>2</sup>/s): 23,55  
 Conclusion: Aspiration hazard not applicable

## 11.2. Information on other hazards

### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### Endocrine disrupting properties

Product/substance: 2-Propylheptanol ethoxylate  
 Conclusion: No adverse effect observed

### Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance: disodium metasilicate  
 Species: Fish, Danio rerio  
 Duration: 96 hours  
 Test: LC50  
 Result: 210 mg/L

Product/substance: disodium metasilicate  
 Test method: OECD 202  
 Species: Daphnia, Daphnia magna  
 Duration: 48 hours  
 Test: EC50  
 Result: 1700 mg/L

Product/substance: disodium metasilicate

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Test method:	DIN 38412
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	> 345,4 mg/L

Product/substance	propane-1,2-diol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	43500 mg/l ·

Product/substance	propane-1,2-diol
Species:	Fish
Duration:	7 days
Test:	LC50
Result:	40613 mg/l ·

Product/substance	propane-1,2-diol
Species:	Crustacean
Duration:	18 hours
Test:	NOEC
Result:	20.000 mg/l ·

Product/substance	2-Propylheptanol ethoxylate
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	10-100 mg/L

Product/substance	2-Propylheptanol ethoxylate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	10-100 mg/l ·

Product/substance	2-Propylheptanol ethoxylate
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Result:	10-100 mg/L

Product/substance	2-aminoethanol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	65 mg/l ·

Product/substance	2-aminoethanol
Species:	Fish
Duration:	7 days
Test:	LC50
Result:	> 100 mg/l ·

#### 12.2. ▼ Persistence and degradability

Product/substance	propane-1,2-diol
Result:	81,7%
Conclusion:	Readily biodegradable
Test:	OECD 301 F

Product/substance	2-Propylheptanol ethoxylate
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	2-aminoethanol
Result:	> 90% 21 d

Conclusion: Readily biodegradable  
 Test: OECD 301 A

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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: disodium metasilicate  
 Conclusion: No potential for bioaccumulation

Product/substance: propane-1,2-diol  
 BCF: 0.09  
 Conclusion: -

Product/substance: 2-aminoethanol  
 LogKow: < 1  
 Conclusion: No potential for bioaccumulation

12.4. **Mobility in soil**

No data available.

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

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

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

**Waste treatment methods**

Product is covered by the regulations on hazardous waste. (\*)  
 HP 8 – Corrosive  
 Dispose of contents/container to an approved waste disposal plant.  
 Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**


20 01 15\* Alkalines  
 Waste group H Waste group H



**Specific labelling**

**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	UN1760	CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	Transport hazard class: 8 Label: 8 Classification code: C9 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760	CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	Transport hazard class: 8 Label: 8	III	No	Limited quantities: 5 L

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
		Classification code: C9 			EmS: F-A S-B See below for additional information.
IATA	UN1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	Transport hazard class: 8 Label: 8 Classification code: C9 	III	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

#### Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

Hazchem Code: 2X

#### 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

People under the age of 18 shall not be exposed to this product.

#### Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

Not applicable.

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Anionic surfactants
- Non-ionic surfactants
- Phosphates
- Perfumes

#### 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 as retained and amended in UK law. 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.

Tactile warning.

If this product is sold in retail, it must be delivered with child-resistant fastening.

#### Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.  
H314, Causes severe skin burns and eye damage.  
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.  
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.

#### The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
LCS "C" = Consumer uses: Private households (= general public = consumers)  
PROC 28 = Manual maintenance (cleaning and repair) of machinery  
PROC 19 = Hand-mixing with intimate contact and only PPE available  
PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  
PC 35 = Washing and Cleaning Products (including solvent based products)  
ERC 8a = Wide dispersive indoor use of processing aids in open systems  
ERC 8b = Wide dispersive indoor use of reactive substances in open systems

#### 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 substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### The safety data sheet is validated by

RH

#### ▼ 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: GB-en