

SAFETY DATA SHEET

TCS 25

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

1.1. Product identifier

Trade name

TCS 25

Product no.

1120

Unique formula identifier (UFI)

E2A0-J0Y6-D006-0EQ6

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

Relevant identified uses of the substance or mixture

Cleaning product

Restricted to professional and industrial use.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Trion Tensid AB

Svederusgatan 3A

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

Contact person

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▼ Revision

04/09/2026

▼ SDS Version

11.0

▼ Date of previous version

10/03/2026 (10.0)

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 111 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

Not applicable.

Prevention

Do not breathe vapour/mist. (P260)

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

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (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)

Immediately call a POISON CENTER/doctor. (P310)

Storage

Not applicable.

Disposal

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

▼ Hazardous substances

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

hexyl D-glucoside

potassium hydroxide

Sodium metasilicatePentahydrat

Additional labelling

UFI: E2A0-J0Y6-D006-0EQ6

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public)

< 5%

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

- Anionic surfactants
- Soap

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) 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
2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: 01-2119475104-44 Index No.: 603-096-00-8	5-10%	Eye Irrit. 2, H319	[1], [3]
tetrasodium N,N- bis(carboxylatomethyl)-L- glutamate	CAS No.: 51981-21-6 EC No.: 257-573-7 UK-REACH: 01-2119493601-38- XXXX Index No.:	3-5%	Skin Corr. 1A, H314 Eye Dam. 1, H318	
hexyl D-glucoside	CAS No.: 54549-24-5 EC No.: 259-217-6 UK-REACH: 01-2119492545-29-29 Index No.:	3-5%	Eye Dam. 1, H318	
potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: 01-2119487136-33 Index No.: 019-002-00-8	1-3%	Acute Tox. 4, H302 Skin Corr. 1A, H314 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Alcohols, C9-C11, Ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0 UK-REACH: Index No.:	<2%	Eye Irrit. 2, H319	[19]
2-propylheptanoletoxilat	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	<2%	Eye Dam. 1, H318	
Sodium metasilicatePentahydrat	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH: 01-2119449811-37- xxxxx Index No.:	1-3,5%	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	

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 UK REACH, Annex XVII, the substance is subject to restrictions.

[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.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes with plenty of water or saline solution (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:

Nitrogen oxides (NO_x)

Carbon oxides (CO / CO₂)

Some metal oxides

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

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

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

Always store in containers of the same material as the original container.

Storage conditions

No specific requirements.

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-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m³): 67,5

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

Short term exposure limit (15 minutes) (mg/m³): 101,2

potassium hydroxide

Short term exposure limit (15 minutes) (mg/m³): 2

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-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	20 mg/kg/day
Long term – Local effects - Workers	Inhalation	67,5 mg/kbm 10 ppm
Long term – Systemic effects - Workers	Inhalation	67,5 mg/kbm 10 ppm
Short term – Local effects - Workers	Inhalation	101,2 mg/kbm

hexyl D-glucoside

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	357000 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	595000 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	124 mg/m ³
Long term – Systemic effects - Workers	Inhalation	420 mg/m ³
Long term – Systemic effects - General population	Oral	35,7 mg/kg bw/day

Sodium metasilicatePentahydrat

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,74 mg/kg bw/24h
Long term – Systemic effects - Workers	Dermal	1,49 mg/kg bw/24 h
Long term – Systemic effects - General population	Inhalation	1,55 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6,22 mg/m ³
Long term – Systemic effects - General population	Oral	0,74 mg/kg bw/24h

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	7500 mg/kg bw/d
Long term – Systemic effects - Workers	Dermal	15 000mg/kg bw/d
Long term – Systemic effects - General population	Inhalation	1,8 mg/m3
Long term – Systemic effects - Workers	Inhalation	7,3 mg/m3
Short term – Local effects - Workers	Inhalation	55 mg/m3
Short term – Systemic effects - Workers	Inhalation	55 mg/m3
Long term – Systemic effects - General population	Oral	1,5 mg/kg bw/d

▼ PNEC

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	1 mg/L
Freshwater sediment	Single	4,4 mg/kg
Marine water	Single	0,1 mg/L
Marine water sediment	Single	0,44 mg/kg
Sewage treatment plant	Single	200 mg/L
Soil	Single	0,32 mg/kg

hexyl D-glucoside

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,176 mg/L
Freshwater sediment	Single	0,722 mg/kg
Marine water	Single	0,018 mg/L
Marine water sediment	Single	0,072 mg/kg
Sewage treatment plant	Single	100 mg/L
Soil	Single	0,654 mg/kg

Sodium metasilicatePentahydrat

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	7,5 mg/l
Intermittent release	Single	7,5 mg/l
Marine water	Single	1 mg/L
Sewage treatment plant	Single	1000 mg/l

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	2 mg/L
Intermittent release	Continuous	1 mg/L
Marine water	Single	0,2 mg/L

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

Work situation	Type	Class	Colour	Standards	
In the event of insufficient ventilation	A	Class 1 (low capacity)	Brown	EN14387	

Skin protection

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

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Latex	0.12	-	EN374-2	

Eye protection

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Type	Standards
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Wear safety glasses with side shields.	EN166
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Yellowish

Odour / Odour threshold

Faint

pH

12,5

Density (g/cm³)

1.07

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)

150-200

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)

Not applicable - based on structure

Auto-ignition temperature (°C)

Not applicable - based on structure

Lower and upper explosion limit (% v/v)

Not applicable - based on structure

Solubility

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Thermal decomposition may produce corrosive vapours.

SECTION 11: Toxicological information

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

▼ Acute toxicity

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>29 ppm (2h) ·

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2410 mg/kg ·

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result: 2764 mg/kg ·

Product/substance tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >5000 mg/kg

Product/substance hexyl D-glucoside
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance hexyl D-glucoside
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg

Product/substance potassium hydroxide
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 273 mg/kg ·

Product/substance Alcohols, C9-C11, Ethoxylated
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance 2-propylheptanoletoxilat
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000-5000 mg/kg ·

Product/substance 2-propylheptanoletoxilat
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: >20 mg/L ·

Product/substance 2-propylheptanoletoxilat
Species: Rat
Route of exposure: Dermal
Test: LD50
Result: >2000-5000 mg/kg ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Sodium metasilicatePentahydrat
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1152-1349 mg/kg

Product/substance	Sodium metasilicatePentahydrat
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>2 060 mg/m ³

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

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

Skin corrosion/irritation

Product/substance	Sodium metasilicatePentahydrat
Test method:	OECD 404
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Corrosive)

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitization

Product/substance	hexyl D-glucoside
Test method:	OECD 406
Species:	Guinea pig
Description:	No sensitisation caused
Result:	No adverse effect observed (not sensitising)

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

Skin sensitisation

Product/substance	Alcohols, C9-C11, Ethoxylated
Test method:	OECD 406
Species:	Guinea pig
Description:	Negative
Result:	No adverse effect observed (not sensitising)

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

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.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

STOT-single exposure

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

STOT-repeated exposure

Product/substance: Sodium metasilicatePentahydrat
 Species: Rat
 Duration: No data available.
 Result: 227 mg/kg/day

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

Aspiration hazard

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

Symptoms related to the physical, chemical and toxicological characteristics

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.

11.2. Information on other hazards

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: 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: 1300 mg/l ·

Product/substance: 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Daphnia
 Duration: 72 hours
 Test: EC50
 Result: >100 mg/l ·

Product/substance: 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Algae
 Duration: 96 hours
 Test: EC50
 Result: >100 mg/l ·

Product/substance: tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: >100 mg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>265 mg/L

Product/substance	tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Species:	Algae
Duration:	72 hours
Test:	IC50
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L ·

Product/substance	hexyl D-glucoside
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L ·

Product/substance	hexyl D-glucoside
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L ·

Product/substance	hexyl D-glucoside
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Daphnia
Duration:	21 days
Test:	NOEC
Result:	>1-10 mg/L

Product/substance	potassium hydroxide
Species:	Fish
Duration:	24 hours
Test:	LC50
Result:	80 mg/L ·

Product/substance	Alcohols, C9-C11, Ethoxylated
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1 mg/L
Product/substance	Alcohols, C9-C11, Ethoxylated
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>1 mg/L
Product/substance	Alcohols, C9-C11, Ethoxylated
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>1 mg/L
Product/substance	2-propylheptanoletoxilat
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>10-100 mg/L
Product/substance	2-propylheptanoletoxilat
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>10-100 mg/L
Product/substance	Sodium metasilicatePentahydrat
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	210 mg/L ·
Product/substance	Sodium metasilicatePentahydrat
Species:	Daphnia
Duration:	96 hours
Test:	EC50
Result:	1700 mg/L ·
Product/substance	Sodium metasilicatePentahydrat
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	345,4 mg/L (growth rate) ·
Product/substance	Sodium metasilicatePentahydrat
Species:	Algae
Duration:	72 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: EC50
Result: 207 mg/L (Biomass) ·

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

12.2. ▼ Persistence and degradability

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Result: 100%
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
Conclusion: -

Product/substance hexyl D-glucoside
Result: >70%
Conclusion: -
Test: OECD 301 D

Product/substance potassium hydroxide
Conclusion: Readily biodegradable

Product/substance Alcohols, C9-C11, Ethoxylated
Conclusion: -
Test: OECD 301 D

Product/substance 2-propylheptanoletoxilat
Result: >60%
Conclusion: -
Test: OECD 301 D

Product/substance Sodium metasilicatePentahydrat
Conclusion: -

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 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
LogKow: 1,0000
Conclusion: No potential for bioaccumulation

Product/substance tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate
LogKow: <0
Conclusion: -

Product/substance hexyl D-glucoside
Conclusion: -

Product/substance potassium hydroxide

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

LogKow: -1,3800
Conclusion: No potential for bioaccumulation

Product/substance: Alcohols, C9-C11, Ethoxylated
Conclusion: -

Product/substance: 2-propylheptanoletoxilat
Conclusion: -

Product/substance: Sodium metasilicatePentahydrat
Conclusion: -

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

None known.

SECTION 13: Disposal considerations

13.1. 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.

After dilution with water, small quantities are permitted to go to water treatment plants. Empty packages and product residues must be handled in an environmentally correct manner according to applicable laws and provisions. The company is affiliated to REPA. Do not attempt to refill or clean the package.

EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

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/A DN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

*** UN number or ID number

Additional information

Not dangerous goods according to ADR/ADN/RID, 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

Restricted to professional users.

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.

REACH, Annex XVII

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether is subject to restrictions, UK-REACH annex XVII (entry 55).

Labelling of contents according to Detergents Regulation (EC) No 648/2004

< 5%

· Anionic surfactants

· Soap

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.

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

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

▼ 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

EC = Effective concentration

ED = Effective dose

EINECS = European Inventory of Existing Commercial chemical Substances

EL = Effective Loading

ErC = Concentration associated with x% growth rate response

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

HP = Hazardous Property code

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IC = X maximum inhibitory concentration

IMDG = International Maritime Dangerous Goods

LC = Lethal concentration

LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans

LD = Lethal dose

LOAEC = Lowest Observed Adverse Effect Concentration

LOAEL = Lowest Observed Adverse Effect Level

LOEC = Lowest Observed Effect Concentration

LogKow = logarithm of the n-octanol/water coefficient

LL = Lethal Loading

M = For multiplication factor

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NOAEC = No Observed Adverse Effect Concentration

NOAEL = No Observed Adverse Effect Level

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

NOEC = No Observed Effect Concentration
NOELR = No Observable Effect Loading Rate
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
UVCB = 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

LÄ

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