

SAFETY DATA SHEET

TCS 40

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

1.1. Product identifier

Trade name

TCS 40

Product no.

1123

Unique formula identifier (UFI)

F360-80WW-U00X-K833

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

Relevant identified uses of the substance or mixture

Cleaning product

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Trion Tensid AB

Svederusgatan 1-3

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

Contact person

William Stomilovic

E-mail

info@trion.se

Revision

10/01/2023

SDS Version

5.0

Date of previous version

30/09/2022 (4.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

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)

Safety statement(s)
General

-

Prevention

Do not breathe vapour/mist. (P260)

Wear eye 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)

Immediately call a POISON CENTER/doctor. (P310)

Storage

-

▼ Disposal

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

Hazardous substances

potassium hydroxide

Sodium metasilicatePentahydrat

hexyl D-glucoside

2-propylheptanoletoxilat

▼ Additional labelling

UFI: F360-80WW-U00X-K833

2.3. Other hazards
Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or 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) 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
potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: Index No.: 019-002-00-8	3-5%	Acute Tox. 4, H302 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Corr. 1A, H314 Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Sodium metasilicatePentahydrat	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH: Index No.:	3-5%	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	

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

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.: 603-096-00-8	3-5%	Eye Irrit. 2, H319	[1], [3]
hexyl D-glucoside	CAS No.: 54549-24-5 EC No.: 259-217-6 UK-REACH: Index No.:	3-5%	Eye Dam. 1, H318	
2-propylheptanoletoxilat	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	1-3%	Eye Dam. 1, H318	
oxydipropanol	CAS No.: 25265-71-8 EC No.: 246-770-3 UK-REACH: Index No.:	1-3%		

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.

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

< 5%

· Soap

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

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. 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 returning 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 / 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

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

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

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 temperature

4 - 25 Celcius

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

potassium hydroxide

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

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

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

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

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

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

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

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

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.

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. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally

Wash contaminated clothing before reuse.

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-

Skin protection

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

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,4	>480	EN374-2



Eye protection

Type	Standards
Wear 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

Pale yellow

Odour / Odour threshold

Faint

pH

14

Density (g/cm³)

1.1

Kinematic viscosity

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

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

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

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

100

Vapour pressure

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

Relative vapour density

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

Decomposition temperature (°C)

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

Data on fire and explosion hazards

Flash point (°C)

Not applicable - flash point > 200°C

Auto-Ignition (°C)

Not applicable - flash point > 200°C

Flammability (°C)

Not applicable - flash point > 200°C

Lower and upper explosion limit (% v/v)

Not applicable - flash point > 200°C

Solubility

Solubility in water

Completely soluble

n-octanol/water coefficient

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

Solubility in fat (g/L)

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

9.2. Other information

Other physical and chemical parameters

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

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

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance	potassium hydroxide
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	273 mg/kg ·
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1152-1349 mg/kg
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>2 060 mg/m ³

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

Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>5000 mg/kg
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>29 ppm (2h) ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2410 mg/kg ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2764 mg/kg ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50

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

Result	>2000 mg/kg
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000-5000 mg/kg ·
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>20 mg/L ·
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000-5000 mg/kg ·
Other information	

Skin corrosion/irritation

Product/substance	Sodium metasilicatePentahydrat
Test method	OECD 404
Species	Rabbit

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

Duration	No data available.
Result	Adverse effect observed (Corrosive)
Other information	

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Product/substance	hexyl D-glucoside
Test method	
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Skin sensitisation

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.

STOT-single exposure

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

STOT-repeated exposure

Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Rat
Route of exposure	
Target organ	
Duration	No data available.
Test	
Result	227 mg/kg/day
Conclusion	
Other information	

Aspiration hazard

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

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

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

None known.
 Other information
 None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	potassium hydroxide
Test method	
Species	Fish
Compartment	
Duration	24 hours
Test	LC50
Result	80 mg/L ·
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	210 mg/L ·
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Daphnia
Compartment	
Duration	96 hours
Test	EC50
Result	1700 mg/L ·
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50

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

Result	345,4 mg/L (growth rate) ·
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	207 mg/L (Biomass) ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1300 mg/l ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Daphnia
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/l ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	>100 mg/l ·
Other information	

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

Product/substance	hexyl D-glucoside
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>100 mg/L
Other information	
Product/substance	hexyl D-glucoside
Test method	

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

Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	>1-10 mg/L
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>10-100 mg/L
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>10-100 mg/L
Other information	

12.2. Persistence and degradability

Product/substance	potassium hydroxide
Biodegradable	Yes
Test method	
Result	
Product/substance	Sodium metasilicatePentahydrat
Biodegradable	Yes
Test method	
Result	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Biodegradable	Yes
Test method	OECD 301 B

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

Result	100%
Product/substance	hexyl D-glucoside
Biodegradable	Yes
Test method	OECD 301 D
Result	>70%
Product/substance	2-propylheptanoletoxilat
Biodegradable	Yes
Test method	OECD 301 D
Result	>60%

12.3. Bioaccumulative potential

Product/substance	potassium hydroxide
Test method	
Potential bioaccumulation	No
LogPow	-1,3800
BCF	No data available.
Other information	
Product/substance	Sodium metasilicatePentahydrat
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Potential bioaccumulation	No
LogPow	1,0000
BCF	No data available.
Other information	
Product/substance	hexyl D-glucoside
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.

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

Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

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.

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
15* Alkalines


Specific labelling

Not applicable.



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	UN1814	POTASSIUM HYDROXIDE SOLUTION	Class: 8 Labels: 8 Classification code: C5	II	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
						
IMDG	UN1814	POTASSIUM HYDROXIDE	Class: 8	II	No	Limited quantities:

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

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
	SOLUTION	Labels: 8 Classification code: C5 			1 L EmS: F-A S-B See below for additional information.
IATA UN1814	POTASSIUM HYDROXIDE SOLUTION	Class: 8 Labels: 8 Classification code: C5 	II	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.

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).

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.

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

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

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

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

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

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

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

RO

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue 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