

SAFETY DATA SHEET

Tankclean Alkaline

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

1.1. Product identifier

Trade name

Tankclean Alkaline

- 1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture
 - No special
 - Uses advised against
 - No special

1.3. Details of the supplier of the safety data sheet

Company and address

Vecom Marine B.V. Mozartlaan 3

3144 NA Maassluis The Netherlands +31 (0) 10-5930210

https://vecom-marine.com Contact person

Vecom Marine B.V.

E-mail

sales@vecom-marine.com Revision 11/04/2022

SDS Version

2.0

Date of previous version

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11/04/2022 (2.0)
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1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service) Only intended to inform professional emergency services in case of acute poisoning. See section 4 on first aid measures.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1A; 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/protective clothing. (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 to an approved waste disposal plant. (P501)
Hazardous substances
potassium hydroxide;caustic potash
D-Glucopyranose, oligomers, decyl octyl glycosides
2.3. Other hazards
Additional labelling
Not applicable

Additional warnings

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
2-butoxyethanol;2- butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36- XXXX Index No.: 603-014-00-0	5-10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
potassium hydroxide;caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH: 01-2119487136-33- XXXX Index No.: 019-002-00-8	5-10%	Met. Corr. 1, H290 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 %)	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No.: 68515-73-1 EC No.: 500-220-1 REACH: 01-2119488530-36- XXXX Index No.:	1-3%	Eye Dam. 1, H318	
Acetic acid, nitrilotri-, trisodium salt,	CAS No.: 18662-53-8	<1%	Acute Tox. 4, H302 Eye Irrit. 2, H319	



REACH:	monohydrate	EC No.: 606-091-9	Carc. 2, H351
		REACH:	
Index No.:		Index No.:	

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

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

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 15 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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of 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 temperature

Dry, cool and well ventilated

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-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve

Short term exposure limit (15 minutes) (mg/m³): 246

Long term exposure limit (8 hours) (mg/m³): 100

Annotations:

H = Special risk of dermal absorption.

Annex XIII of the Working Conditions Regulation, List of legal limit values.

DNEL

Product/substance

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve



DNEL Route of exposure Duration	89 mg/kg/d Dermal Short term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 1091 mg/m3 Inhalation Short term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 246 mg/m3 Inhalation Long term – Local effects - Workers
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 125 mg/kg/d Dermal Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 98 mg/m3 Inhalation Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 89 mg/kg/d Dermal Short term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 426 mg/m3 Inhalation Short term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 26.7 mg/kg/d Oral Short term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 147 mg/m3 Inhalation Long term – Local effects - General population
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve



DNEL	75 mg/kg/d
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 59 mg/m3 Inhalation Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 6.3 mg/kg/d Oral Long term – Systemic effects - General population
Product/substance	potassium hydroxide;caustic potash
DNEL	1 mg/m3
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
DNEL	595000 mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
DNEL	420 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
DNEL	357000 mg/kg bw/dag
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
DNEL	124 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
DNEL	35.7 mg/kg bw/dag
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
DNEL	9.6 mg/m3
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
DNEL	3.2 mg/m3



	Route of exposure	Inhalation
	Duration	Long term – Systemic effects - Workers
	Product/substance DNEL	Acetic acid, nitrilotri-, trisodium salt, monohydrate 2.4 mg/m3
	Route of exposure	Inhalation
	Duration	Short term – Systemic effects - General population
	Product/substance DNEL	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.9 mg/kg
	Route of exposure	Oral
	Duration	Short term – Systemic effects - General population
	Product/substance DNEL	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.8 mg/m3
	Route of exposure	Inhalation
	Duration	Long term – Systemic effects - General population
	Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
	DNEL Route of exposure	0.3 mg/kg Oral
	Duration	Long term – Systemic effects - General population
PNEC		
	Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
	PNEC	8.8 mg/l
	Route of exposure Duration of Exposure	Freshwater
	Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl
	PNEC	ether;butyl cellosolve 0.88 mg/l
	Route of exposure	Marine water
	Duration of Exposure	
	Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
	PNEC	463 mg/l
	Route of exposure Duration of Exposure	Sewage treatment plant
	Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl
	PNEC	ether;butyl cellosolve 34.6 mg/kg TG
	Route of exposure	Freshwater sediment
	Duration of Exposure	
	Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
	PNEC	3.46 mg/kg TG
	Route of exposure	Marine water sediment



Duration of Exposure	
Product/substance PNEC Route of exposure Duration of Exposure	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 2.33 mg/kg TG Soil
Product/substance PNEC Route of exposure Duration of Exposure	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve 26.4 mg/l Intermittent release
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 0.1 mg/l Freshwater
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 0.01 mg/l Marine water
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 0.487 mg/kg dwt Freshwater sediment
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 0.048 mg/kg dwt Marine water sediment
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 560 mg/l Sewage treatment plant
Product/substance PNEC Route of exposure Duration of Exposure	D-Glucopyranose, oligomers, decyl octyl glycosides 0.654 mg/kg dwt Soil
Product/substance PNEC Route of exposure Duration of Exposure	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.93 mg/l Freshwater
Product/substance PNEC Route of exposure	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.093 mg/l Marine water



Duration of Exposure

Product/substance PNEC Route of exposure Duration of Exposure	Acetic acid, nitrilotri-, trisodium salt, monohydrate 0.8 mg/l Intermittent release
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
PNEC	270 mg/l
Route of exposure	Sewage treatment plant

Duration of Exposure

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 emergency eyewash and -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.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

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

Skin protection

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	R

Hand protection



	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388	
Eye protection				
Туре	Standards			
Wear safety glasses side shields.	with EN166			
CTION 9: Physical and	chemical properties			
а. т. С	an a			
Physical state	physical and chemical pr	operties		
Liquid				
Colour				
Pale yellow				
Odour / Odour thresh	old			
Characteristic				
рН				
13 tot 14				
Density (g/cm³)				
1.06 (20 °C)				
Relative density				
1.06 (20 °C)				
Kinematic viscosity	at or not possible due to r	nature of the product		
Kinematic viscosity Testing not relevar	nt or not possible due to r	nature of the product.		
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Solubility

Solubility in water

Soluble

n-octanol/water coefficient

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

Solubility in fat (g/L)

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

9.2. Other information

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

No special

- 10.4. Conditions to avoid No special
- 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	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>300 - 2000 mg/kg
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Guinea pig
Route of exposure	Oral
Test	LD50
Result	1400 mg/kg
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50



Result Other information	>2000 mg/kg
Product/substance	potassium hydroxide;caustic potash
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	333 mg/kg
Other information	
Product/substance Test method	D-Glucopyranose, oligomers, decyl octyl glycosides
Species	Rat
Route of exposure	Oral
	LD50
Test Result	
Other information	>2000 mg/kg
Product/substance Test method	D-Glucopyranose, oligomers, decyl octyl glycosides
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Rat
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	2 - 5 mg/L
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>10000 mg/kg
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1300 - 1600 mg/kg
Other information	

Serious eye damage/irritation



Causes serious eye damage.

Respiratory sensitisation

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

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

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

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

No special

Other information

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve		
Test method			
Species	Fish		
Compartment			
Duration	96 hours		
Test	LC50		
Result	1464 mg/L		
Other information			
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve		
Test method			
Species	Fish		
Compartment			
Duration	21 days		
Test	NOEC		
Result	>100 mg/L		
Other information			
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve		
Test method			



Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1550 mg/L
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	100 mg/L
Other information	-
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EbC50
Result	911 mg/L
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Bacteria
Compartment	
Duration	16 hours
Test	EC 3
Result	>700 mg/L
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Bacteria
Compartment	
Duration	48 hours
Test	EC 5
Result	463 mg/L
Other information	
Product/substance	potassium hydroxide;caustic potash
Test method	
Species	Fish
Compartment	
Compartment Duration	96 hours
	96 hours LC50 80 mg/L



Other information	
Product/substance Test method	D-Glucopyranose, oligomers, decyl octyl glycosides
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	27 - 37 mg/L
Other information	
Product/substance Test method	D-Glucopyranose, oligomers, decyl octyl glycosides
Species	Crustacean
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L
Other information	
Product/substance Test method	D-Glucopyranose, oligomers, decyl octyl glycosides
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	100 - 126 mg/L
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	103 mg/L
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	560 mg/L
Other information	
Product/substance Test method	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Species	Algae
Compartment	
Duration	72 hours
Test	EC50



Result Other information	>91.5 mg/L
Product/substance	Acetic acid, nitrilotri-, trisodium salt, monohydrate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	1.43 mg/L
Other information	

12.2. Persistence and degradability

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Biodegradable	Yes
Test method	OECD 301 B
Result	90.4% in 28 d
Product/substance Biodegradable Test method Result	Acetic acid, nitrilotri-, trisodium salt, monohydrate Yes

12.3. Bioaccumulative potential

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Potential	No data available
bioaccumulation	
LogPow	0.81
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
 - No special
- 12.7. Other adverse effects

No special

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.

EWC code

Not applicable



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	Π	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1814	POTASSIUM HYDROXIDE SOLUTION	Class: 8 Labels: 8 Classification code: C5	Π	No	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
ΙΑΤΑ	UN1814	POTASSIUM HYDROXIDE SOLUTION	Class: 8 Labels: 8 Classification code: C5	Π	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

IMDG / See the Dangerous Goods List, 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.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances



Not applicable
Additional information
Not applicable
Sources

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Working Conditions Act 1998 and latest Working Conditions Decree of 01-01-2021.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on

classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

- H290, May be corrosive to metals.
- H302, Harmful if swallowed.
- H312, Harmful in contact with skin.
- H314, Causes severe skin burns and eye damage.
- H315, Causes skin irritation.
- H318, Causes serious eye damage.
- H319, Causes serious eye irritation.
- H332, Harmful if inhaled.
- H351, Suspected of causing cancer.

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 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).

▼ The safety data sheet is validated by

RK 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: NL-en