SAFETY DATA SHEET

Wheel Cleaner Alkaline

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

1.1. Product identifier

Trade name: Wheel Cleaner Alkaline

Product no.: 1417

Unique formula identifier (UFI): 5SRS-TCXF-5HCN-5TJJ

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

Relevant identified uses of the substance or mixture: Cleaning liquid

Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Ditec International AB
Dragrännan 2
S-746 50 BÅLSTA
Sweden
+46 10 344 74 50

E-mail: info@ditecinternational.com

Revision: 02/02/2025

SDS Version: 1.0

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin Corr. 1B; 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:	Keep out of reach of children. (P102)
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)
Storage:	-
Disposal:	Dispose of contents/container in accordance with local regulation (P501)
Hazardous substances:	sodium hydroxide 1-Heptanol, 2-propyl- , 8EO 2-aminoethanol potassium hydroxide
Additional labelling:	EUH208, Contains Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine. May produce an allergic reaction. UFI: 5SRS-TCXF-5HCN-5TJJ
Labelling of contents according to Detergents Regulation (EC) No 648/2004:	5% - 15% · Non-ionic surfactants

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-Ethylhexanol, ethoxylated	CAS No.: 26468-86-0 EC No.: 607-943-2 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5	1-3%	Met. Corr. 1, H290 Skin Corr. 1A, H314	

	UK-REACH: Index No.: 011-002-00-6		Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Dam. 1, H318 Eye Irrit. 2, H319 (SCL: 0.50 %)	
1-Heptanol, 2-propyl- , 8EO	CAS No.: 160875-66-1 EC No.: UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
2-aminoethanol	CAS No.: 141-43-5 EC No.: 205-483-3 UK-REACH: Index No.: 603-030-00-8	1-3%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335 (SCL: 5.00 %) Aquatic Chronic 3, H412	[1]
potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: Index No.: 019-002-00-8	1-3%	Met. Corr. 1, H290 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 %)	
Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine	CAS No.: 1471311-93-9 EC No.: 939-488-3 UK-REACH: Index No.:	<1%	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318	

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
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

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

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

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

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

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

sodium hydroxide
Short term exposure limit (15 minutes) (mg/m^3): 2

2-aminoethanol

Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 2,5
Short term exposure limit (15 minutes) (ppm): 3
Short term exposure limit (15 minutes) (mg/m³): 7,6
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

propane-1,2-diol
Long term exposure limit (8 hours) (ppm): 150(total)
Long term exposure limit (8 hours) (mg/m³): 474(total)/10(particulates)

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

DNEL

2-aminoethanol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	0.24 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1 mg/kg bw/day
Long term – Local effects - General population	Inhalation	2 mg/m³
Long term – Local effects - Workers	Inhalation	3.3 mg/m³
Long term – Systemic effects - General population	Inhalation	2 mg/m³
Long term – Systemic effects - Workers	Inhalation	3.3 mg/m³
Long term – Systemic effects - General population	Oral	3.75 mg/kg bw/day

potassium hydroxide

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Inhalation	1mg/m3
Long term – Local effects - Workers	Inhalation	1 mg/m³

propane-1,2-diol

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Inhalation	10 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - General population	Inhalation	50 mg/m³
Long term – Systemic effects - Workers	Inhalation	168 mg/m³

Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	5 mg/kg
Long term – Systemic effects - Workers	Dermal	10 mg/kg
Long term – Systemic effects - General population	Inhalation	8,7 mg/m³

Long term – Systemic effects - Workers	Inhalation	35,21 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg

sodium hydroxide

Duration:	**Route of exposure:**	**DNEL:**
Short term – Local effects - Workers	Dermal	2 mg/kg bw/d
Long term – Local effects - General population	Inhalation	1 mg/m3
Long term – Local effects - Workers	Inhalation	1 mg/m3
Short term – Local effects - Workers	Inhalation	2 mg/m3

PNEC

2-aminoethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.085 mg/L
Freshwater sediment		0.434 mg/kg
Intermittent release		0.028 mg/L
Marine water		0.0085 mg/L
Marine water sediment		0.0434 mg/kg
Sewage treatment plant		100 mg/L
Soil		1.29 mg/kg

propane-1,2-diol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		260 mg/L
Freshwater sediment		572 mg/kg dw
Intermittent release	-	183 mg/l
Marine water		26 mg/L
Marine water sediment		57.2 mg/kg dw
Sewage treatment plant		20000 mg/L
Soil		50 mg/kg dw

Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,1 mg/L
Freshwater sediment		4,85 mg/L
Intermittent release		1 mg/L
Marine water		0,01 mg/L
Marine water sediment		0,485 mg/L
Sewage treatment plant		100 mg/L
Soil		0,909 mg/kg

8.2. Exposure controls

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

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

Exposure scenarios:	There are no exposure scenarios implemented for this product.
Exposure limits:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical measures:	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures:	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
Measures to avoid environmental exposure:	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:
No specific requirements

Skin protection:

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

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	-	> 480	EN374-2, EN374-3, EN388	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Pale yellow

Odour / Odour threshold:	Characteristic
pH:	13.5
Density (g/cm³):	1.05
Kinematic viscosity:	60 mm²/s
Particle characteristics:	Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):	No relevant or available data due to the nature of the product.
Softening point/range (°C):	Does not apply to liquids.
Boiling point (°C):	No relevant or available data due to the nature of the product.
Vapour pressure:	No relevant or available data due to the nature of the product.
Relative vapour density:	No relevant or available data due to the nature of the product.
Decomposition temperature (°C):	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C):	No relevant or available data due to the nature of the product.
Flammability (°C):	No relevant or available data due to the nature of the product.
Auto-ignition temperature (°C):	No relevant or available data due to the nature of the product.
Lower and upper explosion limit (% v/v):	No relevant or available data due to the nature of the product.

Solubility

Solubility in water:	Completely soluble
n-octanol/water coefficient (LogKow):	No relevant or available data due to the nature of the product.
Solubility in fat (g/L):	No relevant or available data due to the nature of the product.

9.2. Other information

Other physical and chemical parameters:	No data available.
Oxidizing properties:	No relevant or available data due to the nature of the product.

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-Ethylhexanol, ethoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	sodium hydroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	325 mg/kg bw

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

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

Product/substance	2-aminoethanol
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	2504 mg/kg

Product/substance	2-aminoethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	1478 mg/m^3

Product/substance	potassium hydroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result:	333.0 mg/kg

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

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

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

Product/substance	propane-1,2-diol
Species:	Rabbit
Route of exposure:	Inhalation
Test:	LC50 (2 hours)
Result:	>317042 mg/m^3

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

Due to the viscosity, this product does not present an aspiration hazard.

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

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-Ethylhexanol, ethoxylated
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	1-10 mg/L

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

Product/substance	2-Ethylhexanol, ethoxylated
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	1-10 mg/L

Product/substance	sodium hydroxide
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	125 mg/L

Product/substance	sodium hydroxide
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	40 mg/L

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

Product/substance	1-Heptanol, 2-propyl- , 8EO
Species:	Daphnia, Daphnia magna

Duration:	48 hours
Test:	EC50
Result:	10-100 mg/L

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

Product/substance	2-aminoethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	2-aminoethanol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	65 mg/L

Product/substance	2-aminoethanol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	2.8 mg/L

Product/substance	2-aminoethanol
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0.85 mg/L

Product/substance	potassium hydroxide
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	80 mg/L

Product/substance	potassium hydroxide
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	40-240 mg/L

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Species:	Fish, Leuciscus idus
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	propane-1,2-diol
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L

Product/substance	propane-1,2-diol
Species:	Daphnia, Ceriodaphnia dubia
Duration:	48 hours
Test:	EC50
Result:	18340 mg/L

Product/substance	propane-1,2-diol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	ErC50
Result:	19000 mg/L

12.2. Persistence and degradability

Product/substance	2-Ethylhexanol, ethoxylated
Result:	>60%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	sodium hydroxide
Conclusion:	Readily biodegradable

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

Product/substance	2-aminoethanol
Conclusion:	Readily biodegradable

Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Conclusion:	Readily biodegradable

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

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-Ethylhexanol, ethoxylated

Conclusion:	No potential for bioaccumulation
Product/substance	sodium hydroxide
Conclusion:	No potential for bioaccumulation
Product/substance	1-Heptanol, 2-propyl- , 8EO
Conclusion:	No potential for bioaccumulation
Product/substance	2-aminoethanol
LogKow:	-1.9100
Conclusion:	No potential for bioaccumulation
Product/substance	potassium hydroxide
Conclusion:	No potential for bioaccumulation
Product/substance	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine
Conclusion:	No potential for bioaccumulation
Product/substance	propane-1,2-diol
LogKow:	-1.0700
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil
No data available.

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

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

12.7. Other adverse effects
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.

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

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

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1760	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C9 	II	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C9 	II	No	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN1760	CORROSIVE LIQUID, N.O.S. (sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C9 	II	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

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

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:	People under the age of 18 shall not be exposed to this product. 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.
Labelling of contents according to Detergents Regulation (EC) No 648/2004:	5% - 15% · Non-ionic surfactants
Additional information:	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.
Sources:	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. 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.
H312, Harmful in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

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

Additional information

The classification of the 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 safety data sheet is validated by

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Other

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