SAFETY DATA SHEET

Reload No 2 Floor Degreaser

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

1.1. Product identifier

Trade name

Reload No 2 Floor Degreaser

Product no.

REAQUATRIG

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

Relevant identified uses of the substance or mixture

Hard Surface Cleaner
Restricted to professional users.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Kitchenmaster NI Ltd
11 Comber Road,
BT8 8AN Belfast
United Kingdom
028 9081477 02890812881
sales@kitchenmaster-ni.com

E-mail

sales@kitchenmaster-ni.com

Revision

24/04/2024

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.
Emergency contact number (Kitchenmaster): +44 (0)28 9081 4777 (8.30am - 5pm, Monday - Thursday; 8.30am - 4pm Friday)

SECTION 2: Hazards identification

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

2.1. Classification of the substance or mixture

Met. Corr. 1; H290, May be corrosive to metals.
Skin Corr. 1; H314, Causes severe skin burns and eye damage.
Eye Dam. 1; H318, Causes serious eye damage.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be corrosive to metals. (H290)
Causes severe skin burns and eye damage. (H314)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary 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)

Storage

Store in a container with a resistant inner liner. (P406)

Disposal

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

Hazardous substances

potassium hydroxide;caustic potash
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Additional labelling

Not applicable.

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

5% - 15%
· Anionic surfactants
· Non-ionic surfactants
< 5%
· Perfumes (ALPHA-PINENES/PINENE)

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Sodium (xylenes and 4-ethylbenzene)sulfonates	CAS No.: EC No.: 701-037-1 UK-REACH: Index No.:	3-5%	Eye Irrit. 2, H319	
potassium hydroxide;caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: Index No.: 019-002-00-8	3-5%	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 %)	
Alcohols, C12-14, ethoxylated propoxylated	CAS No.: 68439-51-0 EC No.: UK-REACH:	3-5%	Aquatic Chronic 3, H412	[19]

	Index No.:			
sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: Index No.: 011-005-00-2	3-5%	Eye Irrit. 2, H319	
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	3-5%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[3]
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 UK-REACH: Index No.: 603-014-00-0	1-3%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	CAS No.: 68155-07-7 EC No.: 931-329-6 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[19]
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine	CAS No.: EC No.: 939-464-2 UK-REACH: Index No.:	1-3%	Skin Corr. 1C, H314 (SCL: 50.00 %) Eye Dam. 1, H318 Aquatic Chronic 3, H412	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	CAS No.: 68439-57-6 EC No.: 931-534-0 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 (SCL: 5.00 %) Eye Dam. 1, H318 (SCL: 38.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %)	[19]
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	CAS No.: 68155-07-7 EC No.: 931-329-6 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[19]
Pin-2(3)-ene	CAS No.: 80-56-8 EC No.: 201-291-9 UK-REACH: Index No.:	0.01-0.09%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[9]

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.
[9] Identified by EU as a fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation
Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact
Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

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

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

Burns
Not applicable.

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

4.3. Indication of any immediate medical attention and special treatment needed
IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics
Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media
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.
Hazchem Code: 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local

environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
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.
Store in a container with a resistant inner liner.

Recommended storage material

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

Storage temperature

No specific requirements

Incompatible materials

Metals
Metal salts.
Acids
Organic material
Strong oxidising agents.
Halogens
Ammonium salts

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;caustic potash
Short term exposure limit (15 minutes) (mg/m^3): 2

Propan-2-ol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m^3): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m^3): 1250

2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m^3): 123
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m^3): 246
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

DNEL

2-butoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	59 mg/m³
Long term – Systemic effects - Workers	Inhalation	98 mg/m³
Short term – Local effects - General population	Inhalation	147 mg/m³
Short term – Local effects - Workers	Inhalation	246 mg/m³
Short term – Systemic effects - General population	Inhalation	426 mg/m³
Short term – Systemic effects - Workers	Inhalation	1091 mg/m³
Long term – Systemic effects - General population	Oral	6.3 mg/kg bw/day
Short term – Systemic effects - General population	Oral	26.7 mg/kg bw/day

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

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	56.2 µg/cm²
Long term – Systemic effects - General population	Dermal	2.5 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	89.3 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	750 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	21.73 mg/m³
Long term – Systemic effects - General population	Inhalation	2.03 mg/m³
Long term – Systemic effects - Workers	Inhalation	11.5 mg/m³
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day
Long term – Systemic effects - General population	Oral	1.17 mg/kg bw/day

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.2 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	5.29 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.01 mg/m³
Long term – Systemic effects - Workers	Inhalation	4.1 mg/m³
Long term – Systemic effects - General population	Oral	0.58 mg/kg bw/day

Propan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg/m³
Short term – Systemic effects - General population	Inhalation	178 mg/m³
Short term – Systemic effects - Workers	Inhalation	1000 mg/m³
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

Sodium (xylenes and 4-ethylbenzene)sulfonates

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	0.048 mg/cm²
Long term – Local effects - Workers	Dermal	0.096 mg/cm²
Long term – Systemic effects - General population	Dermal	68.1 mg/kg bw/day

Long term – Systemic effects - Workers	Dermal	136.25 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	6.6 mg/m³
Long term – Systemic effects - Workers	Inhalation	26.9 mg/m³
Long term – Systemic effects - General population	Oral	3.8 mg/kg bw/day

sodium carbonate

Duration:	**Route of exposure:**	**DNEL:**
Long term – Local effects - General population	Inhalation	5 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m³

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	1295 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2158.33 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	45.04 mg/m³
Long term – Systemic effects - Workers	Inhalation	152.22 mg/m³
Long term – Systemic effects - General population	Oral	12.95 mg/kg bw/day

PNEC

2-butoxyethanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		8.8 mg/L
Freshwater sediment		34.6 mg/kg
Marine water		0.88 mg/L
Marine water sediment		3.46 mg/kg
Sewage treatment plant		463 mg/L
Soil		2.33 mg/kg

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

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0.007 mg/L
Freshwater		7 µg/L
Freshwater sediment		0.195 mg/kg
Freshwater sediment		230 µg/kg
Intermittent release (freshwater)		24 µg/L
Intermittent release (freshwater)		24 µg/L
Intermittent release (marine water)		2.4 µg/L
Marine water		0.001 mg/L
Marine water		700 ng/L
Marine water sediment		0.019 mg/kg
Marine water sediment		23 µg/kg
Sewage treatment plant		830 mg/L
Sewage treatment plant		830 mg/L
Soil		0.035 mg/kg
Soil		32 mg/kg

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.258 mg/L
Freshwater sediment		8.1 mg/kg
Intermittent release		0.268 mg/L
Intermittent release (marine water)		8.1 mg/kg
Marine water		0.027 mg/L
Sewage treatment plant		7 mg/L
Soil		35 mg/kg

Propan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release (freshwater)		140.9 mg/L
Marine water		140.9 mg/L
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		2.251 g/L
Soil		28 mg/kg

Sodium (xylenes and 4-ethylbenzene)sulfonates

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0.23 mg/L
Freshwater sediment		0.862 mg/kg
Intermittent release		2.3 mg/L
Marine water		0.023 mg/L
Marine water sediment		0.086 mg/kg
Sewage treatment plant		100 mg/L
Soil		0.037 mg/kg

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		24 µg/L
Freshwater sediment		767 µg/kg
Intermittent release (freshwater)		19.7 µg/L
Marine water		2.4 µg/L
Marine water sediment		76.7 µg/kg
Sewage treatment plant		4 mg/L
Soil		1.21 mg/kg

8.2. Exposure controls

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

General recommendations

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

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Ensure that eyewash stations and safety showers are located within easy reach.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure

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

Individual protection measures, such as personal protective equipment

Generally

Wash contaminated clothing before reuse.
Use only UKCA marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
Where risk assessment shows air-purifying respirators are appropriate.	Combination filter ABEK-P2	Class 1/2	Brown/Gray/Yellow /Green/White	EN14387	

Skin protection

Work situation	Recommended	Type/Category	Standards	
In the event of a risk of splashing.	Chemical resistant clothing and shoes EN 943		EN 943	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Butyl	0,35	> 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

Clear, Blue

Odour / Odour threshold

Characteristic

pH

>13

Density (g/cm^3)

1.06-1.08 (20 °C)

Kinematic viscosity

No information available as testing has not been completed.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No information available as testing has not been completed.

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

Does not apply to liquids.

Boiling point (°C)

No information available as testing has not been completed.

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)

No information available as testing has not been completed.

Data on fire and explosion hazards

Flash point (°C)

>61

Flammability (°C)

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

Auto-ignition temperature (°C)

No information available as testing has not been completed.

Lower and upper explosion limit (% v/v)

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

Solubility

Solubility in water

Soluble

n-octanol/water coefficient (LogKow)

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

Oxidizing properties

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

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid freezing temperatures.

10.5. Incompatible materials

Metals
Metal salts.
Acids
Organic material
Strong oxidising agents.
Halogens
Ammonium salts

10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

Acute toxicity

Product/substance	potassium hydroxide;caustic potash
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	333 mg/kg

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	sodium carbonate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2800 mg/kg

Product/substance	sodium carbonate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kgbw

Product/substance	sodium carbonate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	2300 mg/m^3

Product/substance	Propan-2-ol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4570 mg/kg

Product/substance	Propan-2-ol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	13400 mg/kg

Product/substance	Propan-2-ol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	30 mg/L

Product/substance	2-butoxyethanol
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LC50

Result:	1300 mg/kg

Product/substance	2-butoxyethanol
Species:	Guinea pig
Route of exposure:	Inhalation
Test:	LC0
Result:	>3.1 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LC50
Result:	>2000 mg/kg

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2700 mg/kg

Product/substance	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with triethanolamine
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2925 mg/kg

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	2079 mg/kg bw/day

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	6300 mg/kg bw/day

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>52 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Test method:	OECD 401
Species:	Rat
Route of exposure:	Oral
Test:	LC50
Result:	>2000 mg/kg

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Skin corrosion/irritation

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Test method:	OECD 404
Result:	Adverse effect observed (Slightly irritating)

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Test method:	OECD 405
Result:	Adverse effect observed (Slightly irritating)

Product/substance	2-butoxyethanol
Test method:	OECD 405
Species:	Rabbit
Duration:	24 hours
Result:	Adverse effect observed (Irritating)

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

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

Propan-2-ol has been classified by IARC as a group 3 carcinogen.
2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

We have not carried out any animal testing for this product. Any ATE figures quoted below are from toxicity classifications that have been carried out using ATE (Acute Toxicity Estimate) calculation method, using LD50 or ATE figures provided by the raw material manufacturer.

Product/substance	potassium hydroxide;caustic potash
Species:	Fish, Gambusia affinis
Duration:	96 hours
Test:	LC50
Result:	80 mg/L

Product/substance	potassium hydroxide;caustic potash
Species:	Crustacean, Poecilia reticulata
Duration:	24 hours
Test:	EC50
Result:	165 mg/L

Product/substance	potassium hydroxide;caustic potash

Species:	Bacteria, Photobacterium phosphoreum
Duration:	15 minutes
Test:	EC50
Result:	22 mg/L

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Test method:	DIN 38412
Species:	Fish, Leuciscus idus
Test:	LC50
Result:	> 1 - < 10 mg/L

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Test:	EC50
Result:	> 1 - < 10 mg/L

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Test method:	OECD 201
Species:	Algae
Test:	EC50
Result:	> 1 - < 10 mg/L

Product/substance	sodium carbonate
Species:	Fish, Lepomis macrochirus
Duration:	96 hours
Test:	LC50
Result:	300 mg/L

Product/substance	sodium carbonate
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	265 mg/L

Product/substance	Propan-2-ol
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	EC50
Result:	10000 mg/L

Product/substance	2-butoxyethanol
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	1474 mg/L

Product/substance	2-butoxyethanol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1550 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	2.4 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Daphnia
Duration:	48 hours

Test:	EC50
Result:	3.2 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Algae
Duration:	No data available.
Test:	IC50
Result:	3.9 mg/L

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Test method:	Eksperiment
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	4,2 mg/L

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Test method:	Eksperiment
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	4,53 mg/L

Product/substance	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Species:	Algae
Test:	LC50
Result:	5.2 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	2.4 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	3.2 mg/L

Product/substance	Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)
Species:	Algae, Desmodesmus subspicatus
Duration:	24 hours
Test:	ErC50
Result:	18.6 mg/L

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Product/substance	potassium hydroxide;caustic potash
Conclusion:	The substance is inorganic. Biodegradation studies are not applicable.

Product/substance	Alcohols, C12-14, ethoxylated propoxylated
Conclusion:	Readily biodegradable

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	Alcohols, C12-14, ethoxylated propoxylated
Conclusion:	No potential for bioaccumulation

Product/substance	Propan-2-ol
BCF:	<100
LogKow:	2,97
Conclusion:	-

Product/substance	2-butoxyethanol
LogKow:	0.81
Conclusion:	Bioaccumulation is not expected

12.4. Mobility in soil

Propan-2-ol

LogKoc = 0.117995, High mobility potential.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

HP 14 – Ecotoxic

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

Not applicable.

Specific labelling

Contaminated packing

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

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1760	CORROSIVE LIQUID, N.O.S. (potassium hydroxide;caustic potash)	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. (potassium hydroxide;caustic potash)	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. (potassium	Transport hazard class: 8	II	No	See below for

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
		hydroxide;caustic potash)	Label: 8 Classification code: C9 			additional information.

* Packing group

** Environmental hazards

Additional information

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.
Hazchem Code: 2X

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

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.

UK-REACH, Annex XVII

Propan-2-ol is subject to restrictions, UK-REACH annex XVII (entry 3, 40).
Propan-2-ol is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).
Pin-2(3)-ene is subject to UK-REACH restrictions, UK-REACH annex XVII (entry 40).

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

5% - 15%
· Anionic surfactants
· Non-ionic surfactants
< 5%
· Perfumes (ALPHA-PINENES/PINENE)

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.
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

H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H290, May be corrosive to metals.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
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.
H336, May cause drowsiness or dizziness.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

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
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

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

EcoOnline

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