SAFETY DATA SHEET

KALCINOL

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

1.1. Product identifier

Trade name
KALCINOL

Product no.
5001

▼Unique formula identifier (UFI)
GCUE-H0GS-M009-5VV6

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

Relevant identified uses of the substance or mixture
Acid detergent, Lime and rust remover

Use descriptors (REACH)

Sectors of use	Description
LCS "IS"	Industrial uses: Uses of substances as such or in preparations at industrial sites
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	**Description**
PC 35	Washing and Cleaning Products (including solvent based products)
Process category	**Description**
PROC 8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC 13	Treatment of articles by dipping and pouring

▼Uses advised against
None known.

1.3. Details of the supplier of the safety data sheet

Company and address
Knud E. Dan A/S
Lunikvej 40
2670 Greve
Denmark
+45 43692422
+45 43690578

Contact person
Lars Bøgeholm

E-mail
lbj@knudedan.dk

Revision
3/16/2023

SDS Version
2.0

Date of previous version
2/21/2022 (1.0)

1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (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)

Safety statement(s)

General

Keep out of reach of children. (P102)

Prevention

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

-

Hazardous substances

orthophosphoric acid
Alcohols, C9-11 ethoxylated, primær liniar
Propylheptanolethoxilate

▼Additional labelling

UFI: GCUE-H0GS-M009-5VV6

2.3. Other hazards

▼Additional warnings

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

SECTION 3: Composition/information on ingredients

3.1. ▼Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
orthophosphoric acid	CAS No.: 7664-38-2 EC No.: 231-633-2 REACH: 01-2119485924-24-XXXX Index No.: 015-011-00-6	25-40%	Skin Corr. 1B, H314 (SCL: 25.00 %)	[1]
Alcohols, C9-11 ethoxylated, primær liniar	CAS No.: 68439-46-3 EC No.: REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
Propylheptanolethoxilate	CAS No.: 160875-66-1 EC No.: REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 1.00 %)	
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-xxxx Index No.: 603-096-00-8	1-3%	Eye Irrit. 2, H319	[1], [3]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼Other information

[1] European occupational exposure limit.
[3] According to REACH, Annex XVII, the substance is subject to restrictions.

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

< 5%
· Non-ionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

Inhalation

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

▼Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.
Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

▼Eye contact

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

▼Ingestion

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

▼Burns

Not applicable.

4.2. ▼Most important symptoms and effects, both acute and delayed

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

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. ▼Extinguishing media

Not applicable.

5.2. ▼Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. ▼Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 45 90 60 00 (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
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. ▼Reference to other sections
See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

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

7.2. Conditions for safe storage, including any incompatibilities
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

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

Storage temperature
5 - 25 °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
orthophosphoric acid
Long term exposure limit (8 hours) (mg/m³): 1
Short term exposure limit (15 minutes) (mg/m³): 2
Annotations:
E = Substance has an EC limit.

2-(2-butoxyethoxy)ethanol
Long term exposure limit (8 hours) (mg/m³): 68
Long term exposure limit (8 hours) (ppm): 10
Short term exposure limit (15 minutes) (mg/m³): 101
Short term exposure limit (15 minutes) (ppm): 15
Annotations:
E = Substance has an EC limit.

Statutory order 1054 on exposure limits for substances and mixtures (28/06/2022)

▼DNEL
2-(2-butoxyethoxy)ethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	10 mg/kg uge/dag
Long term – Systemic effects - Workers	Dermal	20 mg/kg/ uge/dag
Long term – Local effects	Inhalation	5 mg/m3
Long term – Local effects - Workers	Inhalation	10 ppm
Long term – Local effects - Workers	Inhalation	67.5 mg/m³

Long term – Systemic effects - General population	Inhalation	5 mg/kg uge/dag
Long term – Systemic effects - Workers	Inhalation	10 ppm
Short term – Local effects - General population	Inhalation	7,5 ppm
Short term – Local effects - Workers	Inhalation	14 ppm
Short term – Local effects - Workers	Inhalation	101.2 mg/m³
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day
Short term	Oral	1,3 mg/kg uge/dag

orthophosphoric acid

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	360 µg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³
Long term – Systemic effects - General population	Inhalation	4.57 mg/m³
Long term – Systemic effects - Workers	Inhalation	10.7 mg/m³
Short term – Local effects - Workers	Inhalation	2 mg/m³
Long term – Systemic effects - General population	Oral	100 µg/kgbw/day

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	5,7 mg/kg bw/day
Long term – Local effects - General population	Inhalation	1,64 mg/m³
Long term – Systemic effects - Workers	Inhalation	3,96 mg/m³

▼PNEC

2-(2-butoxyethoxy)ethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1 mg/l
Freshwater		1.1 mg/L
Freshwater sediment		4 mg/l
Freshwater sediment		4.4 mg/kg
Intermittent release (freshwater)		11 mg/L
Marine water		0,1 mg/l
Marine water		110 µg/L
Marine water sediment		0,4 mg/l
Marine water sediment		440 µg/kg
Sewage treatment plant		200 mg/l
Soil		0,4 mg/l

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0009 mg/L
Freshwater sediment		12,27 mg/kg
Marine water		0,00096 mg/L
Marine water sediment		13,09 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.

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

Only CE-marked personal protection equipment should be used.
Use only CE 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	-	-	EN374-2	

Eye protection

Type	Standards	
Wear safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear

Odour / Odour threshold

Sour

pH

1

Density (g/cm³)

1,20 - 1,22

▼Kinematic viscosity

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

Particle characteristics

Does not apply to liquids.

Phase changes

▼Melting point/Freezing point (°C)

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

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

Does not apply to liquids.

▼Boiling point (°C)

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

▼Vapour pressure

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

▼Relative vapour density

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

▼Decomposition temperature (°C)

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

Data on fire and explosion hazards

▼Flash point (°C)

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

▼Flammability (°C)

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

▼Auto-ignition temperature (°C)

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

▼Lower and upper explosion limit (% v/v)

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

Solubility

▼Solubility in water

Completely soluble

▼n-octanol/water coefficient

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

▼Solubility in fat (g/L)

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

9.2. Other information

▼Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. ▼Reactivity

No data available.

10.2. Chemical stability

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

10.3. ▼Possibility of hazardous reactions

None known.

10.4. ▼Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

▼Acute toxicity

Product/substance	orthophosphoric acid
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2740 mg/kg ·

Product/substance	orthophosphoric acid
Species:	Rabbit
Route of exposure:	Dermal
Test:	
Result:	ætsende virkning ·

Product/substance	orthophosphoric acid
Species:	Rat
Route of exposure:	Oral

Test:	LC50
Result:	300-2000 mg/kg

Product/substance	orthophosphoric acid
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (2 hours)
Result:	850 mg/L

Product/substance	Propylheptanolethoxilate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>300-2000 mg/kg ·

Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2700 mg/kg ·

Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5660 mg/kg ·

Product/substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	795 mg/kg ·

Skin corrosion/irritation

Causes severe skin burns and eye damage.

▼Serious eye damage/irritation

Product/substance	Propylheptanolethoxilate
Test method:	no guideline followed
Species:	
Duration:	No data available.
Result:	10 % IVI

Product/substance	Propylheptanolethoxilate
Species:	
Duration:	No data available.
Result:	10 % solution: IVIS score 2,5

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

Not applicable.

▼Other information

None known.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	orthophosphoric acid
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	138 mg/l ·

Product/substance	orthophosphoric acid
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	> 100 mg/L

Product/substance	orthophosphoric acid
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Alcohols, C9-11 ethoxylated, primær liniar
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	23,7 mg/l ·

Product/substance	Alcohols, C9-11 ethoxylated, primær liniar
Species:	Algae
Duration:	48 hours
Test:	EC50
Result:	13,4 mg/l ·

Product/substance	Propylheptanolethoxilate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>10-100 mg/l ·

Product/substance	Propylheptanolethoxilate
Species:	Algae
Duration:	72 hours
Test:	LD50
Result:	>10-100 mg/l ·

Product/substance	Propylheptanolethoxilate
Species:	Daphnia
Duration:	48 hours
Test:	LD50
Result:	>10-100 mg/l ·

Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Fish
Duration:	96 hours
Test:	LC50

Result:	1300 mg/l ·

Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Daphnia
Duration:	24 hours
Test:	LD50
Result:	3200 mg/l ·

Product/substance	2-(2-butoxyethoxy)ethanol
Species:	Algae
Duration:	96 hours
Test:	LD50
Result:	>100 mg/l ·

Product/substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,85 mg/l ·

Product/substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Species:	Algae
Duration:	72 hours
Test:	LD50
Result:	0,026 mg/l ·

Product/substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Species:	Daphnia
Duration:	48 hours
Test:	LD50
Result:	0,016 mg/l ·

12.2. ▼Persistence and degradability

Product/substance	Alcohols, C9-11 ethoxylated, primær liniar
Biodegradable:	Yes
Test method:	TG 301 F - Manometric Respirometry Test - 60%
Result:	>60 %

Product/substance	Propylheptanolethoxilate
Biodegradable:	Yes
Test method:	TG 301 D - Closed Bottle Test - 60%
Result:	letnedbrydeligt

Product/substance	2-(2-butoxyethoxy)ethanol
Biodegradable:	Yes
Test method:	TG 301 E- Test Modified OECD Screening Test -70%
Result:	90-100

Product/substance	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
Biodegradable:	Yes
Test method:	
Result:	

12.3. ▼Bioaccumulative potential

Product/substance	orthophosphoric acid
Test method:	
Potential bioaccumulation:	No
LogPow:	No data available.
BCF:	No data available.
Other information:	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method:	
Potential bioaccumulation:	No
LogPow:	0,5600
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
Not applicable.

12.7. ▼Other adverse effects
None known.

SECTION 13: Disposal considerations

▼Waste treatment methods
Product is covered by the regulations on hazardous waste.
HP 8 – Corrosive
Dispose of contents/container to an approved waste disposal plant.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code
07 01 99 Wastes not otherwise specified

▼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	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	See below for additional information.

* Packing group
** Environmental hazards

▼Additional information
ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.

14.6. ▼Special precautions for user
Not applicable.

14.7. ▼Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Restrictions for application
People under the age of 18 shall not be exposed to this product.

▼Demands for specific education
No specific requirements.

▼SEVESO - Categories / dangerous substances
Not applicable.

▼REACH, Annex XVII
2-(2-butoxyethoxy)ethanol is subject to REACH restrictions, REACH annex XVII (entry 55).

Product registration number
109584

▼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. 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.
Code number (1993): 00-4

▼Sources
The Danish Working Environment Authority's executive order no. 239 of 6 April 2005 on young people's work.
Based on Council Directive 94/33 / EC of 22 June 1994 on the protection of young people at work.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.
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
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.

The full text of identified uses as mentioned in section 1
LCS "IS" = Industrial uses: Uses of substances as such or in preparations at industrial sites
LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC 13 = Treatment of articles by dipping and pouring
PC 35 = Washing and Cleaning Products (including solvent based products)

▼Abbreviations and acronyms
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate

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

▼Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

▼The safety data sheet is validated by

lbj

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: DK-en