

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Date of issue: 6/23/2014 Revision date: 10/24/2016 Version: 2.1

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

1.1. Product identifier

Product form : Mixture

Product name : Sail Cleaner (WP1025)

Product code : WP 1025

Type of product : Aqueous solution including surfactants

Product group : Blend

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors 9, Crane Way, Woolsbridge Ind. Park, BH21 6FA Wimborne - United Kingdom

T 0044 1202 823699 - F 0044 1202 813863

 $\underline{info@wessexchemical factors.co.uk} - \underline{www.wessexchemical factors.co.uk}$

1.4. Emergency telephone number

Emergency number : 0044 7973629367

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, H318

Category 1

Full text of H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R41

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger

Hazardous ingredients : tetrasodium ethylene diamine tetraacetate; C9-11 alcohol ethoxylate with 6.5 mol EO

Hazard statements (CLP) : H318 - Causes serious eye damage

Precautionary statements (CLP) : P280 - Wear eye protection, protective gloves

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a doctor, a POISON CENTER

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
tetrasodium ethylene diamine tetraacetate	(CAS No) 64-02-8 (EC no) 200-573-9 (EC index no) 607-428-00-2	10 - 20	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
C9-11 alcohol ethoxylate with 6.5 mol EO	(CAS No) 68439-46-3	3 - 10	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts	(CAS No) 90170-43-7 (EC no) 290-476-8	0.1 - 3	Xi; R36	Eye Irrit. 2, H319
disodium metasilicate	(CAS No) 6834-92-0 (EC no) 229-912-9 (EC index no) 014-010-00-8	0.1 - 1	C; R34 Xi; R37	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Pentasodium Triphosphate (STPP)	(CAS No) 7758-29-4 (EC no) 231-838-7	0.1 - 1	Not classified	Not classified
trisodium nitrilotriacetate	(CAS No) 5064-31-3 (EC no) 225-768-6 (EC index no) 607-620-00-6	< 1	Carc.Cat.3; R40 Xn; R22 Xi; R36	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
sodium hydroxide, caustic soda	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	< 1	C; R35	Met. Corr. 1, H290 Skin Corr. 1A, H314
quaternary ammonium compounds, benzyl-C12-14 (even numbered)- alkyldimethyl, chlorides	(EC no) 939-350-2	0.1 - 1	Xn; R22 C; R34 N; R50	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
benzotriazole	(CAS No) 95-14-7 (EC no) 202-394-1	0.1 - 1	Xn; R22 Xi; R36 R52/53	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	< 0.1	F; R11	Flam. Liq. 2, H225
Yellow Dye		< 0.1	Not classified	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
trisodium nitrilotriacetate	(CAS No) 5064-31-3 (EC no) 225-768-6 (EC index no) 607-620-00-6	(C >= 5) Carc. Cat. 3;R40	(C >= 5) Carc. 2, H351
sodium hydroxide, caustic soda	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	(0.5 =< C < 2) Xi;R36/38 (2 =< C < 5) C;R34 (C >= 5) C;R35	(0.5 = <c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(0.5 =<c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c>

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing.

Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after skin contact : May cause slight irritation.

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Symptoms/injuries after eye contact : Serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Sand. Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder.

Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of

: Toxic fumes may be released.

tire

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do

not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with

proper protection. For further information refer to section 8: "Exposure controls/personal

protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Provide good ventilation in process area to prevent

formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight.

Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethanol, ethyl alcohol	l (64-17-5)	
United Kingdom	WEL TWA (mg/m³)	1920 mg/m³ (8 hours)
United Kingdom	WELTWA (npm)	1000 ppm (8 hours)

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Safety glasses. Gloves. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate mask





Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Yellow liquid.
Colour : Yellow.

Odour Odour : Pleasant (perfume).
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : Not applicable
Freezing point : No data available

Boiling point : $\sim 100 \, ^{\circ}\text{C}$

: No data available Flash point Self ignition temperature No data available Decomposition temperature : No data available Flammability (solid, gas) : Non flammable Vapour pressure : No data available Relative vapour density at 20 °C No data available Relative density : No data available Density : 1.1 g/cm³ Solubility : soluble in water.

Solubility : soluble in water.

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. **Chemical stability**

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

Conditions to avoid 10.4.

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Strong acids. Strong bases.

Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : Not classified

disodium metasilicate (6834-92-0)				
LD50 oral rat	1152 - 1349 mg/kg bodyweight			
LD50 dermal rat	> 5000 mg/kg bodyweight			
Pentasodium Triphosphate (STPP) (7758-29-4)				
LD50 oral rat	3120 mg/kg			
LD50 dermal rabbit	> 4640 mg/kg			
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl d	erivs., disodium salts (90170-43-7)			
LD50 oral rat	> 2000 mg/kg bodyweight			
benzotriazole (95-14-7)				
LD50 oral rat	500 mg/kg bodyweight			
LD50 dermal rabbit > 2000 mg/kg bodyweight				
C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)				
LD50 oral rat	200 - 2000 mg/kg			
quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides				
LD50 oral rat	397.5 mg/kg			
LD50 dermal rabbit	3412 mg/kg			
ethanol, ethyl alcohol (64-17-5)				
I DE0 oral rat	15010 ma/ka badwysiaht			

LC50 inhalation rat (Vapours - mg/l/4h)	124.7 mg/l/4h
and item budgeside acception and (4240.72.2)	

sodium hydroxide, caustic soda (1310-73-2)

Skin corrosion/irritation	- :	Not classified
Additional information	:	Based on available data, the classification criteria are not met

2000 mg/kg

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : IF SWALLOWED: Possibly carcinogenic to humans

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met : Not classified

Specific target organ toxicity (repeated

exposure)

Additional information

LD50 oral rat

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

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Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

10 mg/l

Potential Adverse human health effects and

symptoms

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

disodium metasilicate (6834-92-0)				
LC50 fishes 1	2320 mg/l Western mosquitofish (Gambusia affinis)			
EC50 Daphnia 1	1700 mg/l			
EC50 72h Algae [mg/l] (1)	207 mg/l			
Pentasodium Triphosphate (STPP) (7758-29-4)				
EC50 Daphnia 1	276.61 mg/l			
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)				
LC50 fishes 1	4.2 mg/l Rainbow trout (Oncorhynchus mykiss)			
EC50 Daphnia 1	29 mg/l			
benzotriazole (95-14-7)				
LC50 fishes 1	154 - 210 mg/l Zebrafish (Danio rerio)			
EC50 Daphnia 1	107 mg/l			
ErC50 (algae)	75 mg/l			
NOEC chronic crustacea	32 mg/l			

C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)

LC50 fishes 1 1 - 10 mg/l

quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides		
LC50 fishes 1	1.28 mg/l Sheepshead minnow (Cyprinodon variegatus)	
EC50 72h Algae [mg/l] (1)	0.26 mg/l	
NOEC chronic fish	0.798 mg/l	
NOEC chronic algae	0.04 mg/l	

ethanol, ethyl alcohol (64-17-5)

NOEC chronic algae

EC50 Daphnia 1 12340 mg/l

sodium hydroxide, caustic soda (1310-73-2)

LC50 fishes 1	125 mg/l Western mosquitofish (Gambusia affinis)
EC50 other aquatic organisms 1	40.4 mg/l species of water flea (Ceriodaphnia sp.)

12.2. Persistence and degradability Sail Cleaner (WP1025)

can cleaner (III 1020)	
Persistence and degradability	Not established.

disodium metasilicate (6834-92-0)

Persistence and degradability Not established

Pentasodium Triphosphate (STPP) (7758-29-4)

Persistence and degradability Not established.

β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)

Persistence and degradability Not established.

tetrasodium ethylene diamine tetraacetate (64-02-8)

Persistence and degradability

Chemical oxygen demand (COD)

Not readily biodegradable.

260 g O²/g substance

C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)

Persistence and degradability Readily biodegradable.

quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Persistence and degradability Readily biodegradable.

ethanol, ethyl alcohol (64-17-5)

Persistence and degradability Readily biodegradable.

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ethanol, ethyl alcohol (64-17-5)				
BOD (% of ThOD) 37.74 % ThOD				
12.3. Bioaccumulative potential				
Sail Cleaner (WP1025)				
Bioaccumulative potential	Not established.			
disodium metasilicate (6834-92-0)				
Bioaccumulative potential	No bioaccumulation.			
'				
Pentasodium Triphosphate (STPP) (7758-29-4 Bioaccumulative potential	Not established.			
'				
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl o	Not established.			
Bioaccumulative potential	1			
tetrasodium ethylene diamine tetraacetate (6	,			
Bioaccumulative potential	No bioaccumulation.			
C9-11 alcohol ethoxylate with 6.5 mol EO (68-	,			
Bioaccumulative potential	Bioaccumulation unlikely.			
quaternary ammonium compounds, benzyl-0	12-14 (even numbered)-alkyldimethyl, chlorides			
Log Kow	2.75			
Bioaccumulative potential	Low.			
ethanol, ethyl alcohol (64-17-5)				
Log Pow	-0.32			
Bioaccumulative potential	Low.			
sodium hydroxide, caustic soda (1310-73-2)				
Bioaccumulative potential	No bioaccumulation.			
12.4. Mobility in soil				
ethanol, ethyl alcohol (64-17-5)				
Surface tension	24.5 mN/m			
Ecology - soil	Product evaporates when in contact with the air.			
12.5. Results of PBT and vPvB assessmen	ıt en			
Component				
Pentasodium Triphosphate (STPP) (7758-29-4)	PBT: not relevant – no registration required			
β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts (90170-43-7)	PBT: not relevant – no registration required			
quaternary ammonium compounds, benzyl- C12-14 (even numbered)-alkyldimethyl, chlorides ()	PBT: not relevant – no registration required			
benzotriazole (95-14-7)	PBT: not relevant – no registration required			
sodium hydroxide, caustic soda (1310-73-2)	PBT: not relevant – no registration required			
tetrasodium ethylene diamine tetraacetate (64-02-8)	PBT: not relevant – no registration required			
C9-11 alcohol ethoxylate with 6.5 mol EO (68439-46-3)	PBT: not relevant – no registration required			
disodium metasilicate (6834-92-0)	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB)			
12.6. Other adverse effects				
Additional information	: Avoid release to the environment			

13.1. Waste treatment methods Waste disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

14.1	١.	UN	l num	ber

UN-No. (ADR) : Not applicable UN-No. (IMDG) : Not applicable

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UN-No.(IATA) : Not applicable UN-No.(ADN) : Not applicable UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

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Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

15.1.2. **National regulations**

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS,

Annex 4)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE Data sources

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixturejs, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases::

Aquatic Acute 1 Hazardous to the aquatic environment — AcuteHazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Eye Imt. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 2 Flam. Liq. 2 Flammable liquids, Category 2 Flam. Liq. 2 Flammable liquids, Category 1 Skin Corr. 1 Corrosive to metals, Category 1 Skin Corr. 1A Skin corrosion/irritation, Category 1 Skin Corr. 1A Skin corrosion/irritation, Category 1B STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H225 Highly flammable liquid and vapour H290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H335 May cause respiratory irritation H3410 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H412 Harmful to aquatic life with long lasting effects H411 Highly flammable R22 Harmful if swallowed R34 Causes burns R35 Causes serious eye burns R36 Irritating to eyes R37 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable N Dangerous for the environment	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3 Carc. 2 Carcinogenicity, Category 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 1 Eye Irrit. 2 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Flammable liquids, Category 2 Flam. Liq. 2 Flammable liquids, Category 2 Ret. Corr. 1 Corrosive to metals, Category 1 Skin Corr. 1A Skin corrosive to metals, Category 1A Skin Corr. 1B Skin corrosion/irritation, Category 1B Scort. 2B Septiatory tract irritation H225 Highly flammable liquid and vapour H3302 Harmful if swallowed H314 Causes serious eye damage H318 Causes serious eye damage H318 Causes serious eye irritation H335 May cause respiratory irritation H335 May cause respiratory irritation H335 Suspected of causing cancer H400 Very toxic to aquatic life with long lasting effects H410 Very toxic to aquatic life with long lasting effects H411 Highly flammable R22 Harmful to aquatic life with long lasting effects H34 Causes burns R35 Causes severe burns R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment C C Corrosive Highly flammable	Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Carc. 2 Eye Dam. 1 Serious eye damage/eye irritation, Category 2 Flam. Liq. 2 Met. Corr. 1 Corrosive to metals, Category 1 Skin Corr. 1A Skin corrosion/irritation, Category 1A Skin Corr. 1B Skin corrosion/irritation, Category 1B STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H225 Highly flammable liquid and vapour H2290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H319 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H412 Harmful if aquatic life with long lasting effects H412 Harmful if swallowed R24 R34 Causes burns R35 Causes burns R36 Irritating to eyes R37 Irritating to espiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive Highly flammable	Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
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Skin Corr. 1A Skin corrosion/irritation, Category 1A Skin Corr. 1B Skin corrosion/irritation, Category 1B STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H225 Highly flammable liquid and vapour H290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H336 May cause respiratory irritation H351 Suspected of causing cancer H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H411 Highly flammable R22 Harmful to aquatic life with long lasting effects R34 Causes burns R35 Causes burns R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes	Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1B Skin corrosion/irritation, Category 1B STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H225 Highly flammable liquid and vapour H290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H351 Suspected of causing cancer H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H411 Highly flammable R22 Harmful if swallowed R34 Causes burns R35 Causes severe burns R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	Met. Corr. 1	Corrosive to metals, Category 1
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H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H351 Suspected of causing cancer H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H412 Harmful to aquatic life with long lasting effects H411 Highly flammable R22 Harmful if swallowed R34 Causes burns R35 Causes severe burns R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive Fill Highly flammable	H225	Highly flammable liquid and vapour
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H318 Causes serious eye damage H319 Causes serious eye irritation H335 May cause respiratory irritation H351 Suspected of causing cancer H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H412 Harmful to aquatic life with long lasting effects H11 Highly flammable R22 Harmful if swallowed R34 Causes burns R35 Causes severe burns R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	H302	Harmful if swallowed
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R11Highly flammableR22Harmful if swallowedR34Causes burnsR35Causes severe burnsR36Irritating to eyesR37Irritating to respiratory systemR40Limited evidence of a carcinogenic effectR41Risk of serious damage to eyesR50Very toxic to aquatic organismsR52/53Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environmentCCorrosiveFHighly flammable	H410	Very toxic to aquatic life with long lasting effects
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R36 Irritating to eyes R37 Irritating to respiratory system R40 Limited evidence of a carcinogenic effect R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	R34	Causes burns
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R41 Risk of serious damage to eyes R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	R37	Irritating to respiratory system
R50 Very toxic to aquatic organisms R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	R40	Limited evidence of a carcinogenic effect
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment C Corrosive F Highly flammable	R41	Risk of serious damage to eyes
C Corrosive F Highly flammable	R50	Very toxic to aquatic organisms
F Highly flammable	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
The state of the s	С	Corrosive
N Dangerous for the environment	F	Highly flammable
	N	Dangerous for the environment

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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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