

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 15/01/2020 Revision date: 07/03/2024 Supersedes version of: 09/12/2022 Version: 6.1

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

# **1.1. Product identifier**

Product name: SOLUCLEAN LAUNDRY BIOUFI: 0310-W0NN-U00H-ND20Product code: SCSP100LBP / SCSP2LBPProduct group: End product	-
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

## 1.2.1. Relevant identified uses

Main use category Use of the substance/mixture

- : Professional use, Consumer use
- : Cleaning/washing agents and additives

## 1.2.2. Uses advised against

No additional information available

# **1.3. Details of the supplier of the safety data sheet**

Solupak Limited California Drive WF10 5QH Castleford, West Yorkshire UK T +44 (0)1924 565 120 <u>sales@solupak.com</u>, <u>www.solupak.com</u>

# 1.4. Emergency telephone number

Emergency number

: +44 (0)1924 565 120

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

# SECTION 2: Hazards identification 21. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Serious eye damage/eye irritation, Category 2 H319 Full text of H- and EUH-statements: 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) : GHS07 Signal word (CLP) :

Hazard statements (CLP)

: H319 - Causes serious eye irritation.

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Precautionary statements (CLP)	<ul> <li>P264 - Wash hands thoroughly after handling.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337+P313 - If eye irritation persists: Get medical advice/attention.</li> <li>P102 - Keep out of reach of children.</li> </ul>
EUH-statements	: EUH208 - Contains LIPASE(9001-62-1), HEXYL CINNAMAL(101-86-0), amylase, α-(9000- 90-2), PROTEINASE(9080-56-2). May produce an allergic reaction.

## 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## Component

Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 SODIUM PERCARBONATE (15630-89-4)

# **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

# Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM CARBONATE	CAS-No.: 497-19-8 EC-No.: 207-838-8 EC Index-No.: 011-005-00-2 REACH-no: 01-2119485498- 19	30 – 50	Eye Irrit. 2, H319
SODIUM PERCARBONATE	CAS-No.: 15630-89-4 EC-No.: 239-707-6 REACH-no: 01-2119457268- 30	1 – 10	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
SILICIC ACID, SODIUM SALT (MR >2.6-≤3.2)	CAS-No.: 1344-09-8 EC-No.: 215-687-4 REACH-no: 01-2119448725- 31	1 – 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-METHYL- AND SODIUM HYDROXIDE	CAS-No.: - EC-No.: 932-051-8 REACH-no: 01-2119565112- 48	1 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
amylase, α-	CAS-No.: 9000-90-2 EC-No.: 232-565-6 EC Index-No.: 647-015-00-4	< 1	Resp. Sens. 1, H334

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LIPASE	CAS-No.: 9001-62-1 EC-No.: 232-619-9 REACH-no: 01-2119972939- 13	< 1	Resp. Sens. 1, H334
HEXYL CINNAMAL	CAS-No.: 101-86-0 EC-No.: 202-983-3	0.06 – 0.15	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
PROTEINASE	CAS-No.: 9080-56-2 EC-No.: 232-991-2 EC Index-No.: 647-013-00-3 REACH-no: 01-2120763416- 51	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
	CAS-No.: 15630-89-4 EC-No.: 239-707-6 REACH-no: 01-2119457268- 30	(7.5 ≤ C < 25) Eye Irrit. 2, H319 (25 ≤ C < 100) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact	<ul> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.</li> </ul>
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effective states and effective symptoms and effective states	ffects, both acute and delayed
Symptoms/effects after eye contact	: Serious damage to eyes.
4.3. Indication of any immediate med	ical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2. Special hazards arising from the substa	ance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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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. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for conta	ainment and cleaning up	
Methods for cleaning up Other information	<ul><li>Mechanically recover the product.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>	
6.4. Reference to other sections		
For further information refer to section 13		

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul><li>Ensure good ventilation of the work station. Avoid contact with skin and eyes.</li><li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li></ul>
7.2. Conditions for safe storage, including	ng any incompatibilities
Storage conditions Storage temperature Packaging materials	<ul> <li>Store in a well-ventilated place. Keep cool.</li> <li>: ≥ °C</li> <li>Product must only be kept in the original packaging.</li> </ul>

7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

# 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

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## **8.2. Exposure controls**

## 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

## 8.2.2. Personal protection equipment

## 8.2.2.1. Eye and face protection

# Eye protection:

Not required for normal conditions of use

#### 8.2.2.2. Skin protection

## Skin and body protection: Not required for normal conditions of use

Hand protection: Not required for normal conditions of use

#### 8.2.2.3. Respiratory protection

### Respiratory protection: Not required for normal conditions of use

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

## Environmental exposure controls:

Avoid release to the environment.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Appearance	: Powder.
Odour	: Characteristic odour.
Odour threshold	: Not available
Melting point	: Not applicable.
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Oxidising properties	: Non oxidizing material according to EC criteria.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available
рН	: 9 – 11 5% SOLUTION
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not applicable.
Relative vapour density at 20°C	: Not applicable.
Particle size	: Not available

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## 9.2. Other information

- 9.2.1. Information with regard to physical hazard classes
- No additional information available

9.2.2. Other safety characteristics

No additional information available

# SECTION 10: Stability and reactivity

## 10.1. 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

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials** 

Strong oxidizing agents. Strong acids.

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined	in Regulation (EC) No 1272/2008	
Acute toxicity (dermal) :	Not classified Not classified Not classified	
LD50 oral rat	2800 mg/kg bodyweight Animal: rat	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
SODIUM PERCARBONATE (15630-89-4)		
LD50 oral rat	1034 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
LD50 dermal	> 2000 mg/kg	
REACTION PRODUCT OF BENZENESULFONI METHYL- AND SODIUM HYDROXIDE (-	C ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:	
amylase, α- (9000-90-2)		
LC50 Inhalation - Rat	> 4.96 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)	

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SODIUM CARBONATE (197-19-8)         pH       = 11.6 Concentration: (=)0,1 other:         SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SULCIC ACID, SODIUM SALT (MR >2.6-c-3.2) (1344-09-6)         pH       > 13.5 Concentration: (=2 vo%, 46 vo%)[         Serious aye damage/mitation       : Causes serious aye initiation.         pH       > 13.5 Concentration: (=0.1 other:         SODIUM CARBONATE (497-19-8)       pH         pH       = 11.6 Concentration: (=0.1 other:         SODIUM PERCARBONATE (15630-89-4)       pH         pH       = 11.6 Concentration: (=0.2 ot%, 46 vo%)[         SODIUM PERCARBONATE (15630-89-4)       pH         pH       = 11.6 Concentration: (=0.2 ot%, 46 vo%)[         Respiratory or skin sensitisation       : Not classified         Carrinogenicity       : Not classified         Carrinogenicity       : Not classified         STOT-single exposure       : Not classified         STOT-single exposure       May cause respiratory irritation.         PROTEINASE (9800-56-2)       STOT-single exposure         STOT-single exposure       : Not classified         LIPASE (9801-62-1)       NOAEL (eral, rat, 90 days)         NOAEL (oral, rat, 90 days)       : 2148.3 mg/kg bodyweight Animat: rat, Guideline: OECD Guideline 408	Skin corrosion/irritation :	Not classified pH: 9 – 11 5% SOLUTION
SODUM PERCARBONATE (15630-89-4)           pH         10.5           SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-6)         pH           pH         >13.5 Concentration: jH2 vol%, 46 vol%[           Serious eye damage/initiation         :: Causes serious eye initiation, pH: 9 - 11 5% SOLUTION           SODIUM CARBONATE (497-19-8)         pH           pH         10.5           SODIUM CARBONATE (1530-89-4)         pH           pH         10.5           SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-8)           pH         10.5           SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-8)           pH         > 13.5 Concentration: j42 vol%, 46 vol%[           Respiratory or skin sensitisation         : Not classified           Gern coll mulagenicity         : Not classified           STOT-single exposure         Not classified           STOT-single exposure         May cause respiratory irritation.           PROTEINASE (900-56-2)         STOT-single exposure           STOT-respeated exposure         Not classified           LIPASE (0001-62-1)         NoA classified           NOAEL (oral, rat, 90 days)         \$ 1242.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxinty Study in Rodents)           POTEINASE (9000-56-2)         NoA tappl	SODIUM CARBONATE (497-19-8)	
pH     10.5       SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	рН	≈ 11.6 Concentration: (≈)0,1 other:
SILCIC ACID, SODIUM SALT (MR >2.6<3.2) (1344-09-5)	SODIUM PERCARBONATE (15630-89-4)	
pH       > 13.6 Concentration: j42 vol% 46 vol%[         Serious eye damage/initiation       : Gauses serious eye imitation.         pH: 9 - 11 5% SOLUTION         SODIUM CARBONATE (497-19-8)         pH       = 11.6 Concentration: (=/0,1 other:         SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SILCIC ACID, SODIUM SALT (MR >2.6-<	рН	10.5
Serious eye damage/initiation       Causes serious eye initiation.         pH       = 11.8 Concentration: (=)0,1 other:         SODIUM PERCARBONATE (15630-89-4)         pH       = 11.8 Concentration: (=)0,1 other:         SODIUM SALT (MR >2.6<<3.2) (1344-09-8)	SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2)	(1344-09-8)
PH: 9 – 11 5% SOLUTION         SODIUM CARBONATE (497-19-8)         pH       = 11.8 Concentration: (*)0,1 ather:         SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-8)         pH       > 13.5 Concentration: 142 vol%,48 vol%[         Generation: 142 vol%,48 vol%[         Respiratory or skin sensitisation         Not classified         Carcinogenicity         Not classified         Respiratory or skin sensitisation         Not classified         Carcinogenicity         Not classified         Site Colspan="2">SoDIUM SALT (MR >2.6-c=3.2) (1344-09-8)         SITOT-single exposure         My cause respiratory irritation.         PROTEINASE (9080-56-2)         SITOT-single exposure         Not classified         LIPASE (9060-56-2)         NOAEL (oral, rat, 90 days)       2 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-D20 Oral Toxicity Study in Rodents)         Applicable Soluto Foral Value in Rodents)         Sup Oral Toxicity Study in R	рН	> 13.5 Concentration: ]42 vol%,46 vol%[
SODIUM CARBONATE (497-19-8)         pH       * 11.6 Concentration: (=0,1 other:         SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SILCIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	Serious eye damage/irritation :	
pH       * 11.8 Concentration: (*)0.1 other:         SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-8)         pH       > 13.5 Concentration: j42 vol%,46 vol%[         Respiratory or skin sensitisation       : Not classified         Gern cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         STOT-single exposure       : Not classified         SILICIC ACID, SODIUM SALT (MR >2.6-c=3.2) (1344-09-8)         STOT-single exposure       May cause respiratory irritation.         PROTEINASE (9806-56-2)         STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       : Not classified         LIPASE (9001-62-1)       Not classified         NOAEL (oral, rat, 90 days)       : 1248 3 mg/kg bodyweight Animat: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9806-56-2)       : Not classified         SOLUCLEAN LAUNDRY BIO       : Not applicable         SOLUCLEAN LAUNDRY BIO       : Not applicable         SODIUM PERCARBONATE (15630-89-4)       : Not applicable         SODIUM PERCARBONATE (15630-89-4)       : Not applicable         SODIUM PERCARBONATE (15630-89-4)       : Not applicable		pH: 9 – 11 5% SOLUTION
SODIUM PERCARBONATE (15630-89-4)         pH       10.5         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SODIUM CARBONATE (497-19-8)	
pH       10.5         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	рН	≈ 11.6 Concentration: (≈)0,1 other:
SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SODIUM PERCARBONATE (15630-89-4)	
pH       > 13.5 Concentration: [42 vol%,46 vol%[         Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         SILCIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	рН	10.5
Respiratory or skin sensitisation       : Not classified         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         SILCIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2)	(1344-09-8)
Gern cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         STOT-single exposure       May cause respiratory irritation.         PROTEINASE (9080-56-2)       STOT-single exposure         STOT-single exposure       May cause respiratory irritation.         PROTEINASE (9080-56-2)       STOT-single exposure         STOT-single exposure       May cause respiratory irritation.         STOT-single exposure       Not classified         UPASE (9001-62-1)       Not classified         NOAEL (oral, rat, 90 days)       ≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)       NOAEL (oral, rat, 90 days)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinema	рН	> 13.5 Concentration: ]42 vol%,46 vol%[
Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-single exposure May cause respiratory irritation. PROTEINASE (9080-56-2) STOT-single exposure May cause respiratory irritation. PROTEINASE (9080-56-2) STOT-single exposure Not classified LIPASE (9001-62-1) NOAEL (oral, rat, 90 days) 2 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) PROTEINASE (9080-56-2) NOAEL (oral, rat, 90 days) 2 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) Aspiration hazard : Not classified SOLUCLEAN LAUNDRY BIO Viscosity, kinematic Not applicable SODIUM CARBONATE (497-19-8) Viscosity, kinematic Not applicable SODIUM PERCARBONATE (15630-89-4) Viscosity, kinematic Not applicable SODIUM PERCARBONATE (15630-89-4) Viscosity, kinematic Not applicable SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)		
Reproductive toxicity       : Not classified         STOT-single exposure       : Not classified         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)		
STOT-single exposure       : Not classified         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)		
SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)		
STOT-single exposure       May cause respiratory irritation.         PROTEINASE (9080-56-2)         STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       Not classified         LIPASE (9001-62-1)       Not classified         NOAEL (oral, rat, 90 days)       ≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)       NOAEL (oral, rat, 90 days)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM SALT (MR >2.6<<3.2) (1344-09-8)	STOT-single exposure :	Not classified
PROTEINASE (9080-56-2)         STOT-single exposure         Not classified         LIPASE (9001-62-1)         NOAEL (oral, rat, 90 days)         ≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)         NOAEL (oral, rat, 90 days)         ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2)	(1344-09-8)
STOT-single exposure       May cause respiratory irritation.         STOT-repeated exposure       : Not classified         LIPASE (9001-62-1)       Image: Store in the	STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure       : Not classified         LIPASE (9001-62-1)	PROTEINASE (9080-56-2)	
LIPASE (9001-62-1)         NOAEL (oral, rat, 90 days)         ≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	STOT-single exposure	May cause respiratory irritation.
NOAEL (oral, rat, 90 days)       ≥ 1248.3 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SOLUCL ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	STOT-repeated exposure :	Not classified
90-Day Oral Toxicity Study in Rodents)         PROTEINASE (9080-56-2)         NOAEL (oral, rat, 90 days)       ≥ 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SOLICLE ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	LIPASE (9001-62-1)	
NOAEL (oral, rat, 90 days)       > 993 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SOLUCLEAN LAUNDRY BIO       SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	NOAEL (oral, rat, 90 days)	
Day Oral Toxicity Study in Rodents)         Aspiration hazard       : Not classified         SOLUCLEAN LAUNDRY BIO         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	PROTEINASE (9080-56-2)	
SOLUCLEAN LAUNDRY BIO         Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	NOAEL (oral, rat, 90 days)	
Viscosity, kinematic       Not applicable         SODIUM CARBONATE (497-19-8)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)       Viscosity, kinematic         Viscosity, kinematic       Not applicable         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	Aspiration hazard :	Not classified
SODIUM CARBONATE (497-19-8)         Viscosity, kinematic       Not applicable         SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic       Not applicable         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SOLUCLEAN LAUNDRY BIO	
Viscosity, kinematic     Not applicable       SODIUM PERCARBONATE (15630-89-4)     Viscosity, kinematic       Viscosity, kinematic     Not applicable       SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	Viscosity, kinematic	Not applicable
SODIUM PERCARBONATE (15630-89-4)         Viscosity, kinematic         Not applicable         SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SODIUM CARBONATE (497-19-8)	
Viscosity, kinematic Not applicable SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	Viscosity, kinematic	Not applicable
SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8)	SODIUM PERCARBONATE (15630-89-4)	
	Viscosity, kinematic	Not applicable
Viscosity, kinematic Not applicable	SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2)	(1344-09-8)
	Viscosity, kinematic	Not applicable

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REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4- METHYL- AND SODIUM HYDROXIDE (-	
Viscosity, kinematic	Not applicable
LIPASE (9001-62-1)	
Viscosity, kinematic Not applicable	
11.2. Information on other hazards	

No additional information available

## **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. Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Not classified (chronic) **SODIUM CARBONATE (497-19-8)** LC50 - Fish [1] 300 mg/l Test organisms (species): Lepomis macrochirus EC50 - Crustacea [1] 200 - 227 mg/l Test organisms (species): Ceriodaphnia sp. EC50 - Crustacea [2] 200 - 227 mg/l Test organisms (species): Ceriodaphnia sp. SODIUM PERCARBONATE (15630-89-4) LC50 - Fish [1] 70.7 mg/l EC50 - Crustacea [1] 4.9 mg/l Test organisms (species): Daphnia pulex EC50 - Other aquatic organisms [1] 4.9 mg/l SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2) (1344-09-8) 3185 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) LC50 - Fish [1] REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4-**METHYL- AND SODIUM HYDROXIDE (-)** LC50 - Fish [1] 5.5 mg/l 8.8 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] EC50 72h - Algae [1] 25 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) EC50 72h - Algae [2] 72 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC (chronic) 1.18 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC chronic fish 0.23 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '72 d' LIPASE (9001-62-1) LC50 - Fish [1] > 262.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) EC50 - Crustacea [1] > 262.3 mg/l Test organisms (species): Daphnia magna

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LIPASE (9001-62-1)			
EC50 72h - Algae [1]	94.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
amylase, α- (9000-90-2)	amylase, α- (9000-90-2)		
EC50 - Crustacea [1]	2000 mg/l Test organisms (species): Daphnia magna		
EC50 - Crustacea [2]	212 mg/l Test organisms (species): Daphnia magna		
PROTEINASE (9080-56-2)			
EC50 - Crustacea [1]	3.6 – 7.8 mg/l Test organisms (species): Daphnia magna		
12.2. Persistence and degradability			
SOLUCLEAN LAUNDRY BIO			
Persistence and degradability	Not rapidly degradable		
SODIUM CARBONATE (497-19-8)			
Persistence and degradability	Not rapidly degradable		
SODIUM PERCARBONATE (15630-89-4)			
Persistence and degradability	Not rapidly degradable		
SILICIC ACID, SODIUM SALT (MR >2.6-<=3.2)	(1344-09-8)		
Persistence and degradability	Not rapidly degradable		
REACTION PRODUCT OF BENZENESULFONIC ACID, 4-C10-13-SEC-ALKYL DERIVS. AND BENZENESULFONIC ACID, 4- METHYL- AND SODIUM HYDROXIDE (-)			
Persistence and degradability	Rapidly degradable		
LIPASE (9001-62-1)			
Persistence and degradability	Not rapidly degradable		
HEXYL CINNAMAL (101-86-0)			
Persistence and degradability	Not rapidly degradable		
amylase, α- (9000-90-2)			
Persistence and degradability	Not rapidly degradable		
PROTEINASE (9080-56-2)			
Persistence and degradability	Not rapidly degradable		
12.3. Bioaccumulative potential			
No additional information available			
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessment			
No additional information available			
12.6. Endocrine disrupting properties			
No additional information available			

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## 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Regional waste regulation Waste treatment methods

- : Dispose of in accordance with relevant local regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations

Dispose of contents/container in accordance with local/national regulations.

# **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID ı	number			
Not regulated for transport				
14.2. UN proper shippir	ng name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group	·	· · · ·	·	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental ha	zards	· · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

## Overland transport Not regulated

Transport by sea

Not regulated

Air transport Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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# **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

## **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

## **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

# Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

## **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard

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Abbreviations and acronyms:	
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains LIPASE(9001-62-1), HEXYL CINNAMAL(101-86-0), amylase, α-(9000-90-2), PROTEINASE(9080-56-2). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Full text of H- and EUH-statements:	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Ox. Sol. 3	Oxidising Solids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

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.