



# CaluClean F45 hechtingsreiniger

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 270588

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : CaluClean F45 hechtingsreiniger  
Product code : 3032010  
Type of product : Detergent  
Product group : Cleaning product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : Wide dispersive use  
Use of the substance/mixture : The information given in this MSDS concerns the product and is given on the assumption mentioned in section 1.1, that the product will be used in the manner and for the purposes indicated by the manufacturer.  
Use of the substance/mixture : Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners)  
Function or use category : 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

##### Distributor

Carel Lurvink Logistics B.V.  
IJzesteden, 11  
NL- 7547 TB Enschede  
Nederland  
T +31 (0)53-4344343 - F +31 (0)53-4337105  
[info@carellurvink.nl](mailto:info@carellurvink.nl) - [www.carellurvink.nl](http://www.carellurvink.nl)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
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

#### 2.1. Classification of the substance or mixture

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

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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### 2.2. Label elements

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

EUH-statements : EUH208 - Contains 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  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 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 at a concentration equal to or greater than 0,1 %

## 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]
Butoxydiglycol substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit	CAS-No.: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104-44	1 – 5	Eye Irrit. 2, H319
Benzyl alcohol	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Triethanolamine substance with national workplace exposure limit(s) (IE)	CAS-No.: 102-71-6 REACH-no: 01-2119486482-31	1 – 5	Not classified
Sodium p-cumenesulphonate	CAS-No.: 15763-76-5 EC-No.: 239-854-6 REACH-no: 01-2119489411-37	1 – 5	Eye Irrit. 2, H319
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	< 0,01	Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	(0,0015 ≤ C ≤ 100) Skin Sens. 1A, H317

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	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Get medical advice/attention if you feel unwell.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
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### 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	: Water spray. Foam. Carbon dioxide. Dry powder.
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### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Toxic fumes may be released.
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### 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.
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#### 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".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

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### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/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. Wear personal protective equipment.  
Hygiene measures : 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

Technical measures : Comply with applicable regulations.  
Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage temperature : 10 – 30 °C  
Storage area : Store away from heat. Keep storage area clean. Ensure that there is a suitable ventilation system.  
Special rules on packaging : Store in a closed container. Keep only in original container.

### 7.3. Specific end use(s)

Carefully comply with the instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

<b>Butoxydiglycol (112-34-5)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	2-(2-Butoxyethoxy)ethanol
IOEL TWA	67,5 mg/m <sup>3</sup>
IOEL TWA [ppm]	10 ppm
IOEL STEL	101,2 mg/m <sup>3</sup>
IOEL STEL [ppm]	15 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>Ireland - Occupational Exposure Limits</b>	
Local name	2-(2-Butoxyethoxy)ethanol
OEL TWA [1]	67,5 mg/m <sup>3</sup>
OEL TWA [2]	10 ppm
OEL STEL	101,2 mg/m <sup>3</sup>
OEL STEL [ppm]	15 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (OEL TWA) [1]	67,5 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	10 ppm

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Butoxydiglycol (112-34-5)	
WEL STEL (OEL STEL)	101,2 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Triethanolamine (102-71-6)	
Ireland - Occupational Exposure Limits	
Local name	Triethanolamine
OEL TWA [1]	5 mg/m <sup>3</sup>
Regulatory reference	Chemical Agents Code of Practice 2021

### 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

Butoxydiglycol (112-34-5)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	≈ 20 mg/kg bodyweight/day
Acute - local effects, inhalation	≈ 101,2 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	≈ 67,5 mg/m <sup>3</sup>
Long-term - local effects, inhalation	≈ 67,5 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	≈ 50,6 mg/m <sup>3</sup>
Long-term - systemic effects, oral	≈ 1,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	≈ 34 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	≈ 10 mg/kg bodyweight/day
Long-term - local effects, inhalation	≈ 34 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	≈ 1 mg/l
PNEC aqua (marine water)	≈ 0,1 mg/l
PNEC aqua (intermittent, freshwater)	≈ 3,9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	≈ 4 mg/kg dwt
PNEC sediment (marine water)	≈ 0,4 mg/kg dwt
PNEC (Soil)	
PNEC soil	≈ 0,4 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	≈ 200 mg/l
Triethanolamine (102-71-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	6,3 mg/kg bodyweight/day

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<b>Triethanolamine (102-71-6)</b>	
Long-term - systemic effects, inhalation	5 mg/m <sup>3</sup>
Long-term - local effects, inhalation	5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	13 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,25 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	3,1 mg/kg bodyweight/day
Long-term - local effects, inhalation	1,25 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,32 mg/l
PNEC aqua (marine water)	0,032 mg/l
PNEC aqua (intermittent, freshwater)	5,12 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,7 mg/kg dwt
PNEC sediment (marine water)	0,17 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,151 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l
<b>Sodium p-cumenesulphonate (15763-76-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	136,25 mg/kg bodyweight/day
Long-term - local effects, dermal	0,096 mg/cm <sup>2</sup>
Long-term - systemic effects, inhalation	26,9 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	3,8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6,6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	68,1 mg/kg bodyweight/day
Long-term - local effects, dermal	0,048 mg/cm <sup>2</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,23 mg/l
PNEC aqua (marine water)	0,023 mg/l
PNEC aqua (intermittent, freshwater)	2,3 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,862 mg/kg dwt
PNEC sediment (marine water)	0,0862 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,037 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l

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### 8.1.5. Control banding

No additional information available

## 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

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

#### 8.2.2.2. Skin protection

##### Hand protection:

Protective gloves

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Carefully comply with the instructions for use. Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 9
pH solution concentration	: 100 %
Viscosity, kinematic	: < 19,9 mm <sup>2</sup> /s
Viscosity, dynamic	: < 20 mPa·s

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Solubility	: completely soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1,005 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 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

No additional information available

### 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 (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

<b>Butoxydiglycol (112-34-5)</b>	
LD50 oral rat	6600 mg/kg
LD50 dermal rabbit	2764 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 196 mg/l
<b>Benzyl alcohol (100-51-6)</b>	
LD50 oral	1230 mg/kg bodyweight
LD50 dermal	2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 4,178 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)



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Triethanolamine (102-71-6)	
LD50 oral	8000 mg/kg bodyweight
LD50 dermal	> 10000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 1,8 mg/l

Sodium p-cumenesulphonate (15763-76-5)	
LD50 oral rat	7200 mg/kg
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified  
pH: 9

Butoxydiglycol (112-34-5)	
pH	7

Serious eye damage/irritation : Not classified  
pH: 9

Butoxydiglycol (112-34-5)	
pH	7

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Sodium p-cumenesulphonate (15763-76-5)	
NOAEL (chronic, oral, animal/female, 2 years)	≥ 60 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

Benzyl alcohol (100-51-6)	
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline 451 (Carcinogenicity Studies)

Sodium p-cumenesulphonate (15763-76-5)	
NOAEL (oral, rat, 90 days)	763 – 3534 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

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Viscosity, kinematic	< 19,9 mm <sup>2</sup> /s

Benzyl alcohol (100-51-6)	
Viscosity, kinematic	5,34 mm <sup>2</sup> /s

### 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.

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Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### Butoxydiglycol (112-34-5)

LC50 - Fish [1]	1300 mg/l
EC50 - Other aquatic organisms [1]	1000 mg/l EC50 waterflea (48 h)
EC50 - Other aquatic organisms [2]	100 mg/l IC50 alga (72 h) mg/l

### Benzyl alcohol (100-51-6)

LC50 - Fish [1]	460 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	230 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	230 mg/l waterflea
EC50 - Other aquatic organisms [2]	500 mg/l
EC50 72h - Algae [1]	770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	640 mg/l
NOEC (chronic)	51 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### Triethanolamine (102-71-6)

LC50 - Fish [1]	11800 mg/l
EC50 - Other aquatic organisms [1]	2038 mg/l waterflea
EC50 - Other aquatic organisms [2]	216 mg/l
ErC50 algae	512 mg/l

### Sodium p-cumenesulphonate (15763-76-5)

LC50 - Fish [1]	1000 mg/l
EC50 - Crustacea [1]	1000 mg/l
EC50 96h - Algae [1]	≥ 758 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

## 12.2. Persistence and degradability

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Persistence and degradability	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.
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### Butoxydiglycol (112-34-5)

Biodegradation	89 – 93 % OECD 301 C
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### Triethanolamine (102-71-6)

Biochemical oxygen demand (BOD)	0,02 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1,5 g O <sub>2</sub> /g substance
ThOD	2,04 g O <sub>2</sub> /g substance

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Triethanolamine (102-71-6)	
BOD (% of ThOD)	0,02 % ThOD
Sodium p-cumenesulphonate (15763-76-5)	
Biodegradation	> 90 % OECD 301 E

### 12.3. Bioaccumulative potential

Butoxydiglycol (112-34-5)	
Partition coefficient n-octanol/water (Log Pow)	1
Benzyl alcohol (100-51-6)	
Bioconcentration factor (BCF REACH)	1,37
Partition coefficient n-octanol/water (Log Pow)	1,1
Triethanolamine (102-71-6)	
Bioconcentration factor (BCF REACH)	< 3,9
Partition coefficient n-octanol/water (Log Pow)	-2,3

### 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

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Empty containers can be dumped after cleaning according to local legislation. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

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

##### 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)

##### Detergent Regulation (648/2004)

##### Allergenic fragrances > 0.01 %:

Benzyl Alcohol

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Labelling of contents	
Component	%
anionic surfactants	<5%
Benzisothiazolinone	
Methylisothiazolinone	

### 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

A chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Flammability (solid, gas)	Added	
	Concentration of the solution used for the pH measurement	Added	
	Supersedes	Modified	
	Revision date	Modified	
1.1	Name	Modified	
1.2	Main use category	Modified	
2.1	Adverse physicochemical, human health and environmental effects	Added	
4.1	First-aid measures after eye contact	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after inhalation	Modified	
4.3	Other medical advice or treatment	Added	
5.3	Protection during firefighting	Modified	
6.1	Emergency procedures	Added	
6.1	Protective equipment	Modified	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Added	
6.3	Other information	Added	
6.4	Reference to other sections (8, 13)	Modified	
7.1	Hygiene measures	Added	
7.1	Precautions for safe handling	Modified	
7.2	Storage conditions	Added	

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Indication of changes			
Section	Changed item	Change	Comments
8.2	Eye protection	Added	
9.1	Melting point	Added	
9.1	Density	Modified	
10.2	Chemical stability	Modified	
10.3	Possibility of hazardous reactions	Modified	
10.4	Conditions to avoid	Added	
12.1	Ecology - general	Added	
13.1	Waste treatment methods	Added	
15.2	Chemical safety assessment	Added	
16	Abbreviations and acronyms	Modified	

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
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
TLM	Median Tolerance Limit
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

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### Abbreviations and acronyms:

BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
EC-No.	European Community number
EN	European Standard
OEL	Occupational Exposure Limit
ThOD	Theoretical oxygen demand (ThOD)
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
ED	Endocrine disrupting properties

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

### Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH208	Contains 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

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Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1A	Skin sensitisation, category 1A

The classification complies with : ATP 12

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.