

HETF 🎇 RD AQUA KEM BLUE CONCENTRATED **EUCALYPTUS** 

Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II) SDS Ref.: 30760 Issue date: 14-5-2020 Revision date: 16-3-2020 Version: 1.3

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

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: AQUA KEM BLUE CONCENTRATED EUCALYPTUS
Product code	: 30760-TBV
Type of product	: Additive for the waste-holding tank of mobile toilets.

: Consumer use

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

#### 1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture Function or use category

: Additive for the waste-holding tank of mobile toilets.

: Cleaning/washing agents and additives, Odour agents

#### 1.2.2. Uses advised against

No additional information available

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

Manufacturer Thetford BV Nijverheidsweg 29 P.O. Box 169 4879 AP Etten-Leur - The Netherlands T +31(0)765042200 - F +31(0)765042300 ChemSupport@thetford.eu - www.thetford-europe.com E-mail address of competent person responsible for the SDS : sds@thetford.eu

#### 1.4. Emergency telephone number

Emergency number

: Thetford B.V.: +31 (0)76 5042200 (Reachable during office hours)

### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H statements : see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)



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	GHS05 GHS07 GHS09
Signal word (CLP)	: Danger
Hazardous ingredients	: Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide; bronopol (INN); 2-bromo-2-nitropropane-1,3-diol
Hazard statements (CLP)	<ul> <li>H302 - Harmful if swallowed.</li> <li>H318 - Causes serious eye damage.</li> <li>H410 - Very toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements (CLP)	<ul> <li>P101 - If medical advice is needed, have product container or label at hand.</li> <li>P102 - Keep out of reach of children.</li> <li>P103 - Read carefully and follow all instructions.</li> <li>P264 - Wash hands thoroughly after handling.</li> <li>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> </ul>
UFI	: 7EYS-AUDA-780A-845V
Child-resistant fastening Tactile warning	: Not applicable : Applicable

### 2.3. Other hazards

No additional information available

# **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]
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	(CAS-No.) 52-51-7 (EC-No.) 200-143-0 (EC Index-No.) 603-085-00-8	5 – 10	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide	(EC-No.) 932-051-8 (REACH-no) 01-2119565112-48	1 – 2,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-statements: 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	: Allow affected person to breathe fresh air. 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.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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4.2. Most important symptoms and	effects, both acute and delayed	
Symptoms/effects after eye contact	: Causes serious eye damage.	
4.3. Indication of any immediate me	dical attention and special treatment needed	
No additional information available		
SECTION 5: Firefighting measured	'es	
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>	
5.2. Special hazards arising from th	e substance or mixture	
No additional information available		

5.5. Advice for firengitters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
	chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergency personnel			
Emergency procedures	: Evacuate unnecessary personnel.		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection.		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			

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

6.3. Methods and material for containment an	d cleaning up
5 1	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

# 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	ge
7.1. Precautions for safe handling	
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands thoroughly after handling.
7.2. Conditions for safe storage, inc	luding 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 Incompatible materials	<ul><li>Strong bases. Strong acids.</li><li>Sources of ignition. Direct sunlight.</li></ul>

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According to Regulation (EU) 2015/830 (REACH Annex II)

SECTION 8: Exposure controls/personal protection

#### 7.3. Specific end use(s)

8.1. Control parameters

Aqua Kem Blue Concentrated Eucalyptus is an additive for the holding tank of your mobile toilet. It reduces and masks unpleasant smells. Helps to prevent gas build up. Keeps your tank clean.

No additional information available	
8.2. Exposure controls	
Personal protective equipment: Avoid all unnecessary exposure.	
Hand protection:	
Wear protective gloves.	
Eye protection:	
Chemical goggles or safety glasses	
Respiratory protection:	
Wear appropriate mask	

#### 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 Appearance Colour Odour Odour Odour threshold pH pH solution Relative evaporation rate (butylacetate=1) Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapour pressure Relative vapour density at 20 °C Relative density Density Solubility Partition coefficient n-octanol/water (Log Pow)		Liquid Liquid. dark blue. Pine. No data available 3,5 - 6,5 10 $(3,2 - 6,6)$ % No data available No data available $\approx 0 ^{\circ}C$ $\approx 100 ^{\circ}C$ No data available No data available No data available No flammable. No data available No data available No data available No data available No data available No data available No data available
5	:	
	:	

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### 9.2. Other information

VOC content

: 0,009 %

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
Not established.
10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Strong acids. Strong bases.
10.6. Hazardous decomposition products
fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information	
11.1. Information on toxicological	effects
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	<ul> <li>Harmful if swallowed.</li> <li>Not classified</li> <li>Not classified</li> </ul>
AQUA KEM BLUE CONCENTRATE	ED EUCALYPTUS
ATE CLP (oral)	1499,135 mg/kg bodyweight
Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)		
LD50 oral rat	305 mg/kg	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LC50 inhalation rat (mg/l)	≥ 0,588 mg/l air Animal: rat	
Skin corrosion/irritation	: Not classified pH: 3,5 – 6,5	
Additional information	: Based on available data, the classification criteria are not met	

Toxicity)

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Serious eye damage/irritation	: Causes serious eye damage.
	pH: 3,5 – 6,5
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)		
NOAEL (chronic, oral, animal/male, 2 years)	7 mg/kg bodyweight	
Reproductive toxicity Additional information	<ul><li>Not classified</li><li>Based on available data, the classification criteria are not met</li></ul>	
STOT-single exposure Additional information	<ul><li>Not classified</li><li>Based on available data, the classification criteria are not met</li></ul>	
STOT-repeated exposure Additional information	<ul><li>Not classified</li><li>Based on available data, the classification criteria are not met</li></ul>	

Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide	
LOAEL (dermal, rat/rabbit, 90 days)	≥ mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
LOAEL (oral, rat, 90 days)	20 mg/kg bodyweight Animal: dog
Aspiration hazard Additional information	<ul><li>Not classified</li><li>Based on available data, the classification criteria are not met</li></ul>
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

## 12.1. Toxicity

Feelen, weter	
Ecology - water	: Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term	: Very toxic to aquatic life.
(acute)	
Hazardous to the aquatic environment, long-term	: Harmful to aquatic life with long lasting effects.
(chronic)	

Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide

LC50 fish 1	> 1 mg/l
EC50 Daphnia 1	8,8 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	> 1 mg/l waterflea
EC50 other aquatic organisms 2	> 10 mg/l
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)

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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'

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
EC50 Daphnia 1	1,4 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	0,25 mg/l Test organisms (species): Skeletonema costatum
EC50 72h algae (2)	0,37 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0,88 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0,27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	21,5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '49 d'

### 12.2. Persistence and degradability

AQUA KEM BLUE CONCENTRATED EUCALYPTUS		
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. The fragrance is > 60 % biodegradable according to OECD 301D, Closed Bottle Test.	

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
Biodegradation         70 – 80 % OECD 301B Ready Biodegradability, CO2 Evolution Test, 28 days	

12.3. Bioaccumulative potential

AQUA KEM BLUE CONCENTRATED EUCALYPTUS	
Bioaccumulative potential	Not established.

Benzenesulphonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulphonic acid, 4-methyl-, reaction products with sodium hydroxide		
Partition coefficient n-octanol/water (Log Pow) 0,7		
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)		
Bioaccumulative potential Low bioaccumulation potential.		

12.4. Mobility in soil

bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)		
Ecology - soil No data available.		
12.5. Results of PBT and vPvB assessment		
Component		
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52- 51-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Additional information

Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations
Ecology - waste materials

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

: Avoid release to the environment.

# **SECTION 14: Transport information**

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197	Special provision(s) applied : 375	Special provision(s) applied : 375
or having a net mass per sing		or less for solids, are not subj	antity per single or inner pack ect to any other provisions of <i>i</i>	
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document descr	iption			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard o	:lass(es)			
9	9	9	9	9
14.4. Packing group				
	111	111	111	111
14.5. Environmental haz	ards	<u>.</u>		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary informatio	n available			
14.6. Special precaution				

### Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR)

: 274, 335, 375, 601 : 5I : E1 : P001, IBC03, LP01, R001

: M6

Packing instructions (ADR)

Safety Data Sheet According to Regulation (EU) 2015/830 (REACH Annex II)

According to Regulation (EU) 2015/830 (REACH Annex II)	
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions	: TP1, TP29
(ADR)	
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading	: CV13
and handling (ADR)	
Hazard identification number (Kemler No.)	: 90
Orange plates	
	<b>90</b>
	3082
	3082
Transport by sea	
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197
ERG code (IATA)	: 9L
Inland waterway transport	
Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L : E1
Excepted quantities (RID)	
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID) Mixed packing provisions (RID)	: PP1 : MP19
Portable tank and bulk container instructions (RID)	. MF 19 : T4
Portable tank and bulk container special provisions	: TP1, TP29
(RID)	, 23
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	
Special provisions for carriage - Loading, unloading	
and handling (RID)	
,	

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According to Regulation (EU) 2015/830 (REACH Annex II)

Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	90

#### 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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

: 0,009 %

#### 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**

Indication of changes:			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
	Issue date	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
9.1	Viscosity, dynamic	Modified	
11.1	ATE CLP (oral)	Added	

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.
 None.

Other information

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	

Safety Data Sheet According to Regulation (EU) 2015/830 (REACH Annex II)

Aquatic Acute 1Hazardous to the aquatic environment — Acute Hazard, Category 1Aquatic Chronic 2Hazardous to the aquatic environment — Chronic Hazard, Category 2Aquatic Chronic 3Hazardous to the aquatic environment — Chronic Hazard, Category 3Eye Dam. 1Serious eye damage/eye irritation, Category 1Skin Irrit. 2Skin corrosion/irritation, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationH301Toxic if swallowed.H312Harnful if swallowed.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.H412Harnful to aquatic life with long lasting effects.			
Aquatic Chronic 3Hazardous to the aquatic environment — Chronic Hazard, Category 3Eye Dam. 1Serious eye damage/eye irritation, Category 1Skin Irrit. 2Skin corrosion/irritation, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationH301Toxic if swallowed.H302Harmful if swallowed.H315Causes skin irritation.H316Causes skin irritation.H317Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Eye Dam. 1Serious eye damage/eye irritation, Category 1Skin Irrit. 2Skin corrosion/irritation, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationH301Toxic if swallowed.H302Harmful if swallowed.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Skin Irrit. 2Skin corrosion/irritation, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationH301Toxic if swallowed.H302Harmful if swallowed.H312Harmful in contact with skin.H315Causes skin irritation.H318Causes serious eye damage.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationH301Toxic if swallowed.H302Harmful if swallowed.H312Harmful in contact with skin.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H301Toxic if swallowed.H302Harmful if swallowed.H312Harmful in contact with skin.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	Skin Irrit. 2	Skin corrosion/irritation, Category 2	
H302Harmful if swallowed.H312Harmful in contact with skin.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H312Harmful in contact with skin.H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	H301	Toxic if swallowed.	
H315Causes skin irritation.H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	H302	Harmful if swallowed.	
H318Causes serious eye damage.H331Toxic if inhaled.H335May cause respiratory irritation.H400Very toxic to aquatic life.H411Toxic to aquatic life with long lasting effects.	H312	Harmful in contact with skin.	
H331     Toxic if inhaled.       H335     May cause respiratory irritation.       H400     Very toxic to aquatic life.       H411     Toxic to aquatic life with long lasting effects.	H315	Causes skin irritation.	
H335     May cause respiratory irritation.       H400     Very toxic to aquatic life.       H411     Toxic to aquatic life with long lasting effects.	H318	Causes serious eye damage.	
H400     Very toxic to aquatic life.       H411     Toxic to aquatic life with long lasting effects.	H331	Toxic if inhaled.	
H411 Toxic to aquatic life with long lasting effects.	H335	May cause respiratory irritation.	
	H400	Very toxic to aquatic life.	
H412 Harmful to aquatic life with long lasting effects.	H411	Toxic to aquatic life with long lasting effects.	
	H412	Harmful to aquatic life with long lasting effects.	

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.