

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 280115, 281493, 273036 Issue date: 21.07.2022 Revision date: 17.08.2023 Supersedes version of: 21.07.2022 Version: 1.1

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

Product form	: Mixture
Product name	: CaluGreen ECO V15 krachtige reiniger
UFI	: AK8C-EPNU-330W-RQV7
Product code	: CL 920317
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. IJzersteden, 11 NL– 7547 TB Enschede Nederland T +31 (0)53-4344343 - F +31 (0)53-4337105 info@carellurvink.nl - 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] Serious eve damage/eve irritation. Category 2 H319

Serious eye damage/eye irritation, Category 2 Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

Safety Data Sheet

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

Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	GHS07
Signal word (CLP)	: Warning.
Hazard statements (CLP)	: H319 - Causes serious eye irritation.
Precautionary statements (CLP)	 P280 - Wear eye protection, protective gloves. P337+P313 - If eye irritation persists: Get medical advice/attention.
EUH-statements	: EUH210 - Safety data sheet available on request.
	Do not mix different cleaners.

2.3. Other hazards

Contains no PBT/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 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	5 – 10	Eye Irrit. 2, H319
Isotridecanol, ethoxylated (8 EO)	CAS-No.: 9043-30-5 EC-No.: 500-027-2 REACH-no: 02-2119552461- 55	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium laurylether (2 EO) sulphate	CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639- 16	1 – 5	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Sodium hydroxide substance with national workplace exposure limit(s) (IE, GB)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892- 27	0,1 – 1	Met. Corr. 1, H290 Skin Corr. 1A, H314

Safety Data Sheet

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

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
Sodium laurylether (2 EO) sulphate	CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639- 16	(5 ≤ C < 10) Eye Irrit. 2, H319 (10 ≤ C < 100) Eye Dam. 1, H318	
Sodium hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892- 27	$(0,5 \le C < 2)$ Eye Irrit. 2, H319 $(0,5 \le C < 2)$ Skin Irrit. 2, H315 $(2 \le C < 5)$ Skin Corr. 1B, H314 $(5 \le C < 100)$ Skin Corr. 1A, H314	

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. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.		
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.		
First-aid measures after ingestion	: If you feel unwell, seek medical advice.		
4.2. Most important symptoms and effects,	both acute and delayed		
Symptoms/effects after skin contact	: Irritation.		
Symptoms/effects after eye contact	: Eye irritation.		

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

Treat symptomatically.

SECTION 5: Firefighting measure	es	
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Special hazards arising from the substance or mixture		
No additional information available		
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.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equip	ment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
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".	

Safety Data Sheet

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

6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up Other information	Take up liquid spill into absorbent material.Dispose of materials or solid residues at an authorized site.
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. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures :	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including an	y incompatibilities
Storage temperature:Storage area:	Store in a well-ventilated place. Keep cool. $10 - 30 ^{\circ}\text{C}$ Store in a clean, dry, fire resistant area. Ensure that there is a suitable ventilation system. 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

Butoxydiglycol (112-34-5)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-(2-Butoxyethoxy)ethanol	
IOEL TWA	67,5 mg/m³	
IOEL TWA [ppm]	10 ppm	
IOEL STEL	101,2 mg/m ³	
IOEL STEL [ppm]	15 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC	
Ireland - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
OEL TWA [1]	67,5 mg/m³	
OEL TWA [2]	10 ppm	
OEL STEL	101,2 mg/m³	
OEL STEL [ppm]	15 ppm	
Remark	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	

Safety Data Sheet

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

Butoxydiglycol (112-34-5)		
United Kingdom - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
WEL TWA (OEL TWA) [1]	67,5 mg/m³	
WEL TWA (OEL TWA) [2]	10 ppm	
WEL STEL (OEL STEL)	101,2 mg/m³	
WEL STEL (OEL STEL) [ppm]	15 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
Sodium hydroxide (1310-73-2)		
Ireland - Occupational Exposure Limits		
Local name	Sodium hydroxide	
OEL STEL	2 mg/m³	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	Sodium hydroxide	
WEL STEL (OEL STEL)	2 mg/m³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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

Sodium laurylether (2 EO) sulphate (68891-38-3)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	175 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	15 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	52 mg/m³	
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0,24 mg/l	
PNEC aqua (marine water)	0,024 mg/l	
PNEC aqua (intermittent, freshwater)	0,071 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0,9168 mg/kg dwt	
PNEC sediment (marine water)	0,09168 mg/kg dwt	
PNEC (Soil)		
PNEC soil	7,5 mg/kg dwt	

Safety Data Sheet

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

Sodium laurylether (2 EO) sulphate (68891-38-3)		
PNEC (STP)		
PNEC sewage treatment plant	10 g/l	
Butoxydiglycol (112-34-5)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	≈ 20 mg/kg bodyweight/day	
Acute - local effects, inhalation	≈ 101,2 mg/m³	
Long-term - systemic effects, inhalation	≈ 67,5 mg/m³	
Long-term - local effects, inhalation	≈ 67,5 mg/m³	
DNEL/DMEL (General population)		
Acute - local effects, inhalation	≈ 50,6 mg/m³	
Long-term - systemic effects,oral	≈ 1,25 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	≈ 34 mg/m³	
Long-term - systemic effects, dermal	≈ 10 mg/kg bodyweight/day	
Long-term - local effects, inhalation	≈ 34 mg/m³	
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	

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

Safety Data Sheet

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

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	0,4	2 (< 1.5)	EN 374-2

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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 c	chemical properties	
Physical state	: Liquid	
Colour	: Yellow.	
Appearance	: Clear.	
Odour	: characteristic.	
Odour threshold	: Not available	
Melting point	: Not applicable	
Freezing point	: Not available	
Boiling point	: > 100 °C	
Flammability	: Not applicable	
Lower explosion limit	: Not available	
Upper explosion limit	: Not available	
Flash point	: > 100 °C	
Auto-ignition temperature	: Not available	
Decomposition temperature	: Not available	
рН	: 11	
pH solution concentration	: 100 %	
Viscosity, kinematic	: < 19,608 mm²/s	
Viscosity, dynamic	: < 20 mPa·s	
Solubility	: completely soluble.	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50°C	: Not available	
Density	: 1,02 g/cm ³	
Relative density	: Not available	
Relative vapour density at 20°C	: Not available	
Particle characteristics	: Not applicable	

Safety Data Sheet

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

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 (dermal)	Not classified Not classified Not classified	
Sodium laurylether (2 EO) sulphate (68891-38	-3)	
LD50 oral	4100 mg/kg bodyweight	
LD50 dermal	> 2000 mg/kg bodyweight	
Isotridecanol, ethoxylated (8 EO) (9043-30-5)		
LD50 oral	> 500 mg/kg bodyweight	
LD50 dermal	> 2000 mg/kg bodyweight	
Butoxydiglycol (112-34-5)		
LD50 oral rat	6600 mg/kg	
LD50 dermal rabbit	2764 mg/kg	
LC50 Inhalation - Rat (Dust/Mist)	> 196 mg/l	
	Not classified pH: 11	
Butoxydiglycol (112-34-5)		
рН	7	

Safety Data Sheet

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

Serious eye damage/irritation	: Causes serious eye irritation. pH: 11
Butoxydiglycol (112-34-5)	
рН	7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Sodium laurylether (2 EO) sulphate (891-38-3)
NOAEL (oral, rat, 90 days)	> 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified
CaluGreen ECO V15 krachtige reinig	
Viscosity, kinematic	< 19,608 mm²/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 adverseffects in the environment.		
Hazardous to the aquatic environment, short-term : (acute)	Not classified		
Hazardous to the aquatic environment, long-term : (chronic)	Not classified		
Sodium laurylether (2 EO) sulphate (68891-3	3-3)		
LC50 - Fish [1]	7,1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)		
EC50 - Crustacea [1]	7,2 mg/l Test organisms (species): Daphnia magna		
EC50 72h - Algae [1]	27 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
NOEC (chronic)	0,27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC chronic fish	0,14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'		
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 algea (72 h) mg/l		
Sodium hydroxide (1310-73-2)			
LC50 - Fish [1]	35 mg/l LC50 96h fish		
EC50 - Crustacea [1]	40,4 mg/l Ceriodaphnia spec (48 h)		
EC50 - Other aquatic organisms [1]	33 mg/l EC50 waterflea (48 h)		

Safety Data Sheet

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

12.2. Persistence and degradability			
CaluGreen ECO V15 krachtige reiniger			
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.		
Butoxydiglycol (112-34-5)			
Biodegradation	89 – 93 % OECD 301 C		
12.3. Bioaccumulative potential			
Sodium laurylether (2 EO) sulphate (68891-38	-3)		
Partition coefficient n-octanol/water (Log Pow)	0,3		
Butoxydiglycol (112-34-5)			
Partition coefficient n-octanol/water (Log Pow)	1		
Sodium hydroxide (1310-73-2)			
Partition coefficient n-octanol/water (Log Pow)	-3,88		
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) Waste treatment methods	 Disposal must be done according to official 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. 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

Safety Data Sheet

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

ADR	IMDG	ΙΑΤΑ	ADN	RID		
14.2. UN proper shipping	14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard c	14.3. Transport hazard class(es)					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.4. Packing group		· · · · ·				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
No supplementary informatio	n 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)

Safety Data Sheet

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

Detergent Regulation (648/2004)

Labelling of contents		
Component	%	
anionic surfactants, non-ionic surfactants, amphoteric surfactants <5%		

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

Indication of changes				
Section	Changed item	Change	Comments	
	Supersedes	Added		
	Revision date	Added		
	SDS Ref.	Added		
1.1	UFI on SDS 1.1	Added		
1.1	Product code	Added		
1.1	Name	Added		
9.1	Appearance	Added		

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	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	

Safety Data Sheet

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

Abbreviations and acronyms:		
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	
РВТ	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	
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

Other information

 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. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without accurately.

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. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
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	

Safety Data Sheet

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

Full text of H- and EUH-statements:			
H290	May be corrosive to metals.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H412	Harmful to aquatic life with long lasting effects.		
Met. Corr. 1	Corrosive to metals, Category 1		
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A		
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Eye Irrit. 2	H319	Calculation method	

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.