BLUE WONDER LIMESCALE CLEANER

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Issue date: 04-06-2018 Revision date: 04-03-2022 Supersedes version of: 23-03-2021 Version: 3.1

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	BLUE WONDER LIMESCALE CLEANER
UFI	:	EPS7-5X0G-6W00-C31Y
Product code	:	4206
Article number	:	854
EAN	:	8712038000854
Type of product	:	Detergent
Vaporizer	:	Bottle fitted with a spray attachment
Product group	:	Blend

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	:	Consumer use
Use of the substance/mixture	:	Sanitary Cleaner Descaler
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

Blue Wonder
P.J. Oudweg 41
NL-1332 EJ Almere - Netherlands
T +31 (0)36 54 94 700
info@bluewonder.com - www.bluewonder.com

1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 700
During office hours

Country	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Postbus 85500 (B.00.118) 3508 GA Utrecht	+31 88 755 8000	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of H-statements: see section 16

2.2. Label elements

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) : P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P102 - Keep out of reach of children.

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	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-hydroxypropane-1,2,3-tricarboxylic acid	(CAS-No.) 77-92-9 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42	≥ 5 – < 10	Eye Irrit. 2, H319
2-Hydroxypropanoic acid	(CAS-No.) 79-33-4 (EC-No.) 201-196-2 (REACH-no) 01-2119474164-39	≥ 1 – < 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	≥ 1 – < 5	Not classified

Full text of (EU)H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of any doubt or when irritation occurs or persists seek medical advice. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If experiencing respiratory symptoms: Allow affected person to breathe fresh air.

First-aid measures after skin contact : Wash skin with mild soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: 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 : Rinse mouth. Do NOT induce vomiting. Drink some water or milk (1/4 litre). Eat something fat (like coffee cream, butter, mayonnaise, etc.). Seek medical advice immediately and show this container or label.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : None under normal use. Overexposure to vapours may result in: Irritation to the respiratory tract.

Symptoms/effects after skin contact : Contact during a long period may cause light irritation. Redness.

Symptoms/effects after eye contact : Causes serious eye irritation. Redness.

Symptoms/effects after ingestion : May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of any doubt or when irritation occurs or persists seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All known extinguishants can be used.

Unsuitable extinguishing media : None to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product itself does not maintain combustion.

5.3. Advice for firefighters

Protection during firefighting : Use fire fighting measures that suit the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

Protective equipment : Protective gloves. eye protection.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Protective gloves. eye protection.

6.2. Environmental precautions

Measures for environmental protection : Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Pick up as much as possible of the spilled product. Store picked-up material in a drum. Wash non-recoverable remainder with large amounts of water. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

Reference to other sections : Personal precautions: Refer to section 8.
Handling and storage: Refer to section 7.
Waste disposal recommendations: Refer to section 13.
Emergency contact information: Refer to section 1.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of. Products should only be used in the packaging form provided or recommended, including spray nozzle, in order to prevent respirable product particle formation.
Spray on a cloth and then wipe the surface with the damp cloth.
Direct spraying is only recommended for spot removal.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Keep container tightly closed. Protect from freezing.

7.3. Specific end use(s)

Specific end use(s) : When the product is used as directed in Section 1.2 under normal conditions, no specific measures are required. The necessary measures can be found in Section 7.1 and 7.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information : The product itself is not tested on occupational exposure limits, but if the product contains substances with occupational exposure limits these are listed here. No listing means that the product does not contain any substances with occupational exposure limits.

Dipropylene glycol monomethyl ether (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m³
IOEL TWA [ppm]	50 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Netherlands - Occupational Exposure Limits	
Local name	Dipropyleenglycolmethylether
TGG-8u (OEL TWA)	300 mg/m³
	H (Skin resorption)
Regulatory reference	Arbeidsomstandighedenregeling 2021

2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	
PNEC (Water)	
PNEC aqua (freshwater)	0,44 mg/l
PNEC aqua (marine water)	0,044 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	34,6 mg/kg dwt
PNEC sediment (marine water)	3,46 mg/kg dwt
PNEC (Soil)	
PNEC soil	33,1 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	> 1000 mg/l

2-Hydroxypropanoic acid (79-33-4)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	592 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	35,4 mg/kg bodyweight
Acute - local effects, inhalation	296 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	1,3 mg/l
PNEC (Oral)	
PNEC oral (secondary poisoning)	No potential for bioaccumulation
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

Dipropylene glycol monomethyl ether (34590-94-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	283 mg/kg bodyweight/day Repeated dose toxicity
Long-term - systemic effects, inhalation	308 mg/m³ Repeated dose toxicity
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	36 mg/kg bodyweight/day Repeated dose toxicity
Long-term - systemic effects, inhalation	37,2 mg/m³ Repeated dose toxicity
Long-term - systemic effects, dermal	121 mg/kg bodyweight/day Repeated dose toxicity
PNEC (Water)	
PNEC aqua (freshwater)	19 mg/l
PNEC aqua (marine water)	1,9 mg/l
PNEC aqua (intermittent, freshwater)	190 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	70,2 mg/kg dwt

PNEC sediment (marine water)	7,02 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,74 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	No potential for bioaccumulation
PNEC (STP)	
PNEC sewage treatment plant	4168 mg/l

8.2. Exposure controls

General information
Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes.

Hand protection:

This product is not classified as dangerous for the skin and therefore no protection gloves are necessary when this product is used.
In case of prolonged use or sensitive skin, where irritation is possible, it would be recommended to use gloves.

When selecting protective gloves, always consider user specific circumstances like mechanical stress (cutting, drilling, etc.), contact time, temperature, use of other chemicals, etc.
In consultation with the supplier of protective gloves a type can be chosen, which provides sufficient protection. Always check the instructions regarding breakthrough time and type & thickness of the material, as given by the glove supplier. Wear protective gloves during use. Training of the worker in relation to proper use and maintenance of personal protective equipment must be ensured.

- Long-term or submersion protection

For long-term or submersion protection use Nitrile gloves with a thickness of at least 0.31 mm (thickness dependant on glove type and quality) for a breakthrough time of up to 480 minutes, approved according to standard EN 374:2003.

- Short-term (≤30 min) or splash protection

For short-term (≤30 min) or splash protection use Nitrile gloves with a thickness of at least 0.12 mm (thickness dependant on glove type and quality) for a breakthrough time of at least 30 min, approved according to standard EN 374:2003.

IMPORTANT NOTICE: To ensure safe use the following needs to be taken into account to choose suitable protective gloves:
- The simultaneous use of other chemical products;
- Necessary protection against physical hazards like cutting, piercing or thermal hazards; and
- Instructions and/or specifications supplied by the glove manufacturer.

Eye protection:

When making normal use of the product not necessary. If there is a risk of liquid being splashed : Wear eye protection.

Respiratory protection:

When making normal use of the product not necessary. In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Blue. Clear.
Appearance	:	Acidic aqueous solution.
Odour	:	Perfumed.
Odour threshold	:	Not applicable
Freezing point	:	± 0 °C
Boiling point	:	± 100 °C
Flammability	:	The product itself does not maintain combustion.
Explosive limits	:	Not applicable
Flash point	:	> 70 °C
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not applicable
pH	:	2,05 – 2,35
Viscosity, kinematic	:	± 10 mm²/s

Viscosity, dynamic	:	< 10 mPa.s
Solubility	:	Water: completely soluble
Partition coefficient n-octanol/water [log Pow]	:	-0,91 (calculated value)
Vapour pressure	:	± 23,4 hPa
Density	:	± 1,034 g/cm³
Relative density	:	± 1,034
Relative vapour density at 20 °C	:	Not applicable
Particle characteristics	:	Not applicable, product is a liquid

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Oxidising properties	:	The product itself does not maintain combustion.
Explosive properties	:	Not established.

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	:	< 1
VOC content	:	< 30 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. Reacts violently with (some) bases: release of heat.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions. Reacts violently with (some) bases: release of heat.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

None under normal conditions. Bases. chlorine-based bleaching agents.

10.6. Hazardous decomposition products

None under normal conditions.

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

BLUE WONDER LIMESCALE CLEANER	
Additional information	With the product as such no toxicological tests have been done. According to the criteria of 3.1.3 from (EC) 1272/2008 this product is not toxic. Components that are toxic are mentioned below.

2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	
LD50 oral rat	3000 mg/kg
LD50 oral	11700 mg/kg bodyweight
LD50 dermal rabbit	20000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight

2-Hydroxypropanoic acid (79-33-4)	
LD50 oral	3730 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 7940 mg/m³

Skin corrosion/irritation : Not classified
pH: 2,05 – 2,35

Serious eye damage/irritation : Causes serious eye irritation.
pH: 2,05 – 2,35

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

Aspiration hazard : Not classified

BLUE WONDER LIMESCALE CLEANER	
Vaporizer	Bottle fitted with a spray attachment
Viscosity, kinematic	± 10 mm²/s

11.2. Information on other hazards

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 12: Ecological information

12.1. Toxicity

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

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

BLUE WONDER LIMESCALE CLEANER	
Additional information	With the product as such no ecological tests have been done. According to the criteria of 4.1.3 from (EC) 1272/2008 this product is not dangerous for the environment. Components that are dangerous to the environment are mentioned below.

2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	
LC50 fish (96 h)	440 – 760 mg/l Leuciscus idus (golden orfe)
EC50 Daphnia magna (48 h)	120 mg/l

2-Hydroxypropanoic acid (79-33-4)	
LC50 fish (96 h)	195 mg/l
EC50 Daphnia magna (48 h)	130 mg/l
EC50 algae [72h]	> 2800 mg/l

Dipropylene glycol monomethyl ether (34590-94-8)	
LC50 fish (96 h)	1000 – 10000 mg/l
EC50 Daphnia magna (48 h)	> 100 mg/l
EC50 algae [72h]	> 100 mg/l

NOEC chronic crustacea	0,5 mg/l

12.2. Persistence and degradability

BLUE WONDER LIMESCALE CLEANER	
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.

2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	
Persistence and degradability	Readily biodegradable.
Biodegradation	Readily biodegradable

2-Hydroxypropanoic acid (79-33-4)	
Biodegradation	Readily biodegradable

12.3. Bioaccumulative potential

BLUE WONDER LIMESCALE CLEANER	
Partition coefficient n-octanol/water [log Pow]	-0,91 (calculated value)

2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	
Partition coefficient n-octanol/water [log Pow]	-1,64
Bioaccumulative potential	Bioaccumulation unlikely.

2-Hydroxypropanoic acid (79-33-4)	
Partition coefficient n-octanol/water [log Pow]	-0,62

Dipropylene glycol monomethyl ether (34590-94-8)	
Partition coefficient n-octanol/water [log Pow]	1,01

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

BLUE WONDER LIMESCALE CLEANER
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
2-hydroxypropane-1,2,3-tricarboxylic acid (77-92-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-Hydroxypropanoic acid (79-33-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

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 %

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Pick up as much as possible of the spilled product. Store picked-up material in a drum. Dispose of in accordance with relevant local regulations. Wash non-recoverable remainder with large amounts of water.

Additional information : Rinse the empty bottle. Then bottle can be disposed of with the normal domestic waste.

Ecology - waste materials : Use appropriate container to avoid environmental contamination. Dispose of in accordance with relevant local regulations.

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 regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping 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 hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

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

IBC code : Not applicable. This product is not intended to be carried in bulk tankers.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
Reference code	Applicable on
3(b)	BLUE WONDER LIMESCALE CLEANER

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals

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.

Regulation (EU) No 2019/1021 on persistent organic pollutants

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

Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (Biocidal Products Regulation - BPR)
This product does not contain preservatives

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)
VOC content : < 30 %

Regulation (EC) No 648/2004 on detergents (Detergent Regulation)

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

15.1.2. National regulations

Netherlands

ABM category : B(4) - low hazard for aquatic organisms
SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:
2-hydroxypropane-1,2,3-tricarboxylic acid 2-Hydroxypropanoic acid

SECTION 16: Other information

Indication of changes:			
Section	**Changed item**	**Change**	**Comments**
1.3	Company	Modified	Address 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
BPR	Biocidal Products Regulation, Regulation (EU) No 528/2012
CAS-No.	Number of the chemical substance in the Register of Chemical Abstracts Service
CLP	Classification Labelling Packaging; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level.
EC50	Median effective concentration: The effective concentration of substance that causes 50% of the maximum response.
EC-No.	Official identification number of the substance within the European Union
IATA	International Air Transport Association.
IBC-code	International Bulk Chemical Code, the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
ICAO	International Civil Aviation Organization (International Civil Aviation Organization).
IMDG	International Maritime Dangerous Goods

IMO	International Maritime Organization
LC50	Median lethal concentration
LD50	Median lethal dose
MAC	Maximum Allowable 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
SDS	Safety Data Sheet
UN	United Nations
VOC	Volatile Organic Compounds
WGK	Water Hazard Class
vPvB	Very Persistent and Very Bioaccumulative
EmS	Emergency Schedule information.
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL TWA	Time Weighted Average.
PEL	Permissible Exposure Limit.
STEL	short term
STP	Sewage treatment plant - Removal Efficiency Fraction (offsite; STP)
TLM	Threshold Limit, Median
TLV	Threshold Limit Value

Data sources	
BPR	Regulation (EC) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.
CLP	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
COSING	CosIng - http://ec.europa.eu/growth/tools-databases/cosing/
ECHA	ECHA (European Chemicals Agency) - https://echa.europa.eu/nl/home
GESTIS	GESTIS Substance Database - http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates$fn=default.htm$vid=gestiseng:sdbeng$3.0
SER	The Social and Economic Council of the Netherlands (SER) - http://www.ser.nl
SDS	Safety Data Sheet Manufacturer/Supplier Raw material
COSMETICA	REGULATION (EC) No 1223/2009 on cosmetic products

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

Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H318	Causes serious eye damage.

H319	Causes serious eye irritation.

SDS EU (REACH Annex II)

The information given in this SDS relates to the product mentioned in section 1 and is provided on the assumption that the product will be used in the manner and for the purposes indicated by the manufacturer. The data given here is based on current knowledge and experience and if necessary regularly revised. It is the responsibility of the user to carry out the mentioned precautions and to ensure that this information is complete and sufficient for the use of this product.
It is recommended to inform staff / people concerned about the information in this safety data sheet, if necessary in modified form. The data does not signify any warranty with regard to the products' properties.