

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Date first issue: 22/01/2019 Review date: 03/03/2021 Supersedes version of: 19/02/2019 Version: 3.1

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

1.1. Product identifier Product form

Product name Product code Product group

- : Mixture
- : BLADE QAC Concentrate
- : F01 Concentrate (228)

Type of product

- : Biocidal products (e.g. Disinfectants, pest control)
- : Mixture

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

1.2.1. Relevant identified uses

Industrial/Professional use spec

: Industrial For professional use only

1.2.2. Uses advised against

No additional information available 1.3. Details of the supplier of the safety data sheet Paragon Products UK Ltd Newhailes Industrial Estate Newhailes Road EH21 6SY Musselburgh - East Lothian United Kingdom T +44 (0) 131 653 2222 sales@paragongroup.co.uk

1.4. Emergency telephone number

Country	Official advisory body	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 Birmingham	0344 892 0111	

H314 H412

: H314 - Causes severe skin burns and eye damage.

SECTION 2: Hazards identification 2.1. Classification of the substance or mixture

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

Skin Corr. 1 Aquatic Chronic 3

Full text of hazard classes, H- and EUH-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)



dimethyl, chlorides

: Danger

CLP Signal word Contains

Hazard statements (CLP)

Precautionary statements (CLP)

H412 - Harmful to aquatic life with long lasting effects. : P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective gloves. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P332+P313 - If skin irritation occurs: Get medical advice/attention.

: Isotridecanol, ethoxylated, Quaternary ammonium compounds, benzyl (C12 - C16) alkyl

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P405 - Store locked up.

2.3. Other hazards

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		
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	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	
Isotridecanol, ethoxylated (69011-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required	

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-butoxyethanol substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit	CAS-no: 111-76-2 Einecs nr: 203-905-0 EG annex nr: 603-014-00-0 REACH-no: 01-2119475108- 36	1 – 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	CAS-no: 68424-85-1 Einecs nr: 270-325-2	1 – 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
Isotridecanol, ethoxylated	CAS-no: 69011-36-5 Einecs nr: 931-138-8 REACH-no: Exempted	1 – 3	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects, be Acute effects inhalation	•
Acute enects innaiation	: Inhalation may cause irritation, cough, shortness of breath.
Acute effects skin	: Irritation. Red skin.
Acute effects eyes	: Causes serious eye damage. Redness.
Acute effects oral route	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

No additional information available

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SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water.
5.2. Special hazards arising from the substar Hazardous decomposition products in case of fire	n ce or mixture : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.
5.3. Advice for firefighters Firefighting instructions Protection during firefighting	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measure 6.1. Personal precautions, protective equipm	
6.1.1. For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders Protective equipment Emergency procedures	: Equip cleanup crew with proper protection. : Ventilate area.
 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify author 6.3. Methods and material for containment are Methods for cleaning up 	prities if liquid enters sewers or public waters. Avoid release to the environment. Id cleaning up : 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 protect	ction.
SECTION 7: Handling and storage 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.
7.2. Conditions for safe storage, including an Storage conditions	i y incompatibilities : Keep container tightly closed.
Incompatible products Packaging materials	: Strong acids. : Keep in original containers.
7.3. Specific end use(s) No additional information available	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-butoxyethanol (111-76-2)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	2-Butoxyethanol	
IOEL TWA	98 mg/m³	
IOEL TWA [ppm]	20 ppm	
IOEL STEL 246 mg/m ³		
IOEL STEL [ppm]	50 ppm	
Remark	Skin	
Regulatory reference COMMISSION DIRECTIVE 2000/39/EC		
Ireland - Occupational Exposure Limits		
Local name 2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]		
OEL TWA [1] 98 mg/m ³		
OEL TWA [2]	20 ppm	
OEL STEL	246 mg/m ³	

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2-butoxyethanol (111-76-2)	
OEL STEL [ppm]	50 ppm
Remark	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposu	re Limits
Local name	2-Butoxyethanol
WEL TWA (OEL TWA) [1]	123 mg/m ³
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	246 mg/m ³
WEL STEL (OEL STEL) [ppm]	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	2-Butoxyethanol
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
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

No additional information available

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:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Protective equipment: Wear suitable protective clothing

Hand protection: Wear protective gloves.

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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

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	: Liquid
Colour	: Light yellow. Fluorescent yellow.
Physical state/form	: Liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: 0 °C
Freezing point	: Not available
Boiling point/Boiling range	: 95 – 110
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 93 °C
Autoignition temperature	: Not available
Decomposition temperature	: Not available
рН	: 12.5
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1.03
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area Particle dustiness	: Not applicable
Fatucie dustifiess	: 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
No additional information available

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

Heat.

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10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

e toxicity (inhalation) i Not classified thridecanol, ethoxylated (69011-36-5) 50 oral rat > 300 (≤ 2000 mg/kg 50 dermal rabbit > 2000 mg/kg 50 dermal rabbit > 2000 mg/kg 50 oral rat 100 mg/kg 50 oral rat 1100 mg/kg 50 oral rat 1100 mg/kg 50 lnhalation - Rat (ppm] 4500 50 lnhalation - Rat (Dust/Mist) 11 mg//4h 50 lnhalation - Rat (Vapours) 11 mg//4h 50 oral rat 295 mg/kg corrosion/irritation = Based on available data, the classification criteria are not met 50 oral sites on available data, the classification criteria are not met 50 oral sites on available data, the classification criteria are not met 50 oral rat 0 mayling 1 Not classified 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral rat 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are not met 50 oral ration 0 mayling 1 Not classification criteria are	Acute toxicity (oral)	as defined in Regulation (EC) No 1272/2008 : Not classified
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bus eye damage/irritation: Assumed to cause serious eye damagetional information: Based on available data, the classification criteria are not metbiratory or skin sensitisation: Not classifiedtional information: Based on available data, the classification criteria are not meten cell mutagenicity: Not classifiedtional information: Based on available data, the classification criteria are not meten cell mutagenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metconductive toxicity: Not classifiedtional information: Based on available data, the classification criteria are not metcoductive toxicity: Not classifiedtional information: Based on available data, the classification criteria are not metrT-single exposure: Not classifiedtional information: Based on available data, the classification criteria are not metrT-single exposure: Not classifiedtional information: Based on available data, the classification criteria are not met	Skin corrosion/irritation	: Causes severe skin burns.
tional information: Based on available data, the classification criteria are not metbiratory or skin sensitisation: Not classifiedtional information: Based on available data, the classification criteria are not metn cell mutagenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metconceptional information: Based on available data, the classification criteria are not metconceptional information: Based on available data, the classification criteria are not metconceptional information: Not classifiedtonal information: Based on available data, the classification criteria are not metutors of the classified: Not classifiedtonal information: Based on available data, the classification criteria are not metutors of the classified: Not classifiedutors of the classified: Not classifiedutors of the classified: Not classifiedutors of the classified: Based on available data, the classification criteria are not metutors of the classified: Based on available data, the classification criteria are not met	Additional information	: Based on available data, the classification criteria are not met
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tional information: Based on available data, the classification criteria are not metin cell mutagenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcoutoxyethanol (111-76-2): Anot classifiableRC group3 - Not classifiableroductive toxicity: Not classifiedtional information: Based on available data, the classification criteria are not metrT-single exposure: Not classifiedtional information: Based on available data, the classification criteria are not met	Additional information	: Based on available data, the classification criteria are not met
tional information: Based on available data, the classification criteria are not metin cell mutagenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcinogenicity: Not classifiedtional information: Based on available data, the classification criteria are not metcoutoxyethanol (111-76-2): Anot classifiableRC group3 - Not classifiableroductive toxicity: Not classifiedtional information: Based on available data, the classification criteria are not metrT-single exposure: Not classifiedtional information: Based on available data, the classification criteria are not met	Respiratory or skin sensitisation	: Not classified
n cell mutagenicity : Not classified tional information : Based on available data, the classification criteria are not met cinogenicity : Not classified tional information : Based on available data, the classification criteria are not met cutoxyethanol (111-76-2) : Based on available data, the classification criteria are not met cc group 3 - Not classifiable roductive toxicity : Not classified tional information : Based on available data, the classification criteria are not met rt-single exposure : Not classified tional information : Based on available data, the classification criteria are not met	Additional information	: Based on available data, the classification criteria are not met
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tional information : Based on available data, the classification criteria are not met putoxyethanol (111-76-2) 3 - Not classifiable RC group 3 - Not classifiable roductive toxicity : Not classified tional information : Based on available data, the classification criteria are not met rT-single exposure : Not classified tional information : Based on available data, the classification criteria are not met	Carcinogenicity	: Not classified
RC group 3 - Not classifiable roductive toxicity : Not classified tional information : Based on available data, the classification criteria are not met rT-single exposure : Not classified tional information : Based on available data, the classification criteria are not met	Additional information	: Based on available data, the classification criteria are not met
roductive toxicity : Not classified tional information : Based on available data, the classification criteria are not met rT-single exposure : Not classified tional information : Based on available data, the classification criteria are not met tional information : Based on available data, the classification criteria are not met	2-butoxyethanol (111-76-2)	
tional information : Based on available data, the classification criteria are not met IT-single exposure : Not classified tional information : Based on available data, the classification criteria are not met	IARC group	3 - Not classifiable
T-single exposure : Not classified tional information : Based on available data, the classification criteria are not met	Reproductive toxicity	: Not classified
tional information : Based on available data, the classification criteria are not met	Additional information	: Based on available data, the classification criteria are not met
tional information : Based on available data, the classification criteria are not met	STOT-single exposure	: Not classified
stridecanal ethoxylated (60011_36-5)	Additional information	: Based on available data, the classification criteria are not met
הייסידו (סטר ו-סט-ס)	Isotridecanol, ethoxylated (69011-36	5-5)

NOAEL (oral, rat)	> 250 mg/kg bodyweight	
STOT-repeated exposure	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
Aspiration hazard	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
11.2. Information on other hazards		
11.2.1. Endocrine disrupting properties		
No additional information available		
	44.0.0. Other information	

11.2.2. Other information

Potential adverse human health effects and symptoms

: Based on available data, the classification criteria are not met

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SECTION 12: Ecological information				
12.1. Toxicity Ecology - water	Harmful to aquatic life with long lasting officers			
	: Harmful to aquatic life with long lasting effects. e aquatic environment, short-term : Not classified			
	Harmful to aquatic life with long lasting effects.			
Not rapidly degradable				
Isotridecanol, ethoxylated (69011-36-5)				
LC50 - Fish [1]	> 1 mg/l			
EC50 - Crustacea [1]	> 1 mg/l			
ErC50 algae	1 – 10 mg/l			
2-butoxyethanol (111-76-2)				
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)			
EC50 - Crustacea [1]	1550 mg/l Daphnia magna			
EC50 72h - Algae [1]	1840 mg/l			
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic crustacea	100 mg/l Daphnia magna			
NOEC chronic algae	130 mg/l			
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)			
LC50 - Fish [1]	0.85 mg/l			
EC50 - Crustacea [1]	0.016 mg/l			
EC50 72h - Algae [1]	0.02 mg/l			
NOEC chronic crustacea	0.025 mg/l			
12.2. Persistence and degradability				
BLADE QAC				
Persistence and degradability	Biodegradable. 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.			
Isotridecanol, ethoxylated (69011-36-5)				
Persistence and degradability	Readily biodegradable, according to appropriate OECD test. Not established.			
2-butoxyethanol (111-76-2)				
Persistence and degradability	Biodegradable.			
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)			
Persistence and degradability	Biodegradable.			
Biodegradation	> 90 %			
12.3. Bioaccumulative potential				
BLADE QAC				
Bioaccumulative potential	No bioaccumulation.			
Isotridecanol, ethoxylated (69011-36-5)				
Bioaccumulative potential	No bioaccumulation. Not established.			
2-butoxyethanol (111-76-2)				
Log Pow	0.8			
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)				
Partition coefficient n-octanol/water (Log Kow)	2.88			

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Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)			
Bioaccumulative potential	No bioaccumulation.		
12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment			
BLADE QAC			
This substance/mixture does not meet the PBT criteri	a of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criter	ia of REACH regulation, annex XIII		
Component			
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	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		
Isotridecanol, ethoxylated (69011-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required		
12.6. Endocrine disrupting properties No additional information available			
12.7. Other adverse effects Additional information	: Avoid release to the environment.		
SECTION 13: Disposal considerations 13.1. Waste treatment methods Product/Packaging disposal recommendations	· Dianaga in a sofe menner in accordance with level/actional regulations. Dianaga of		
	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.		
Waste / unused products SECTION 14: Transport information	: Avoid release to the environment.		
n accordance with ADR / IMDG / IATA			

ADR	IMDG	ΙΑΤΑ
14.1. UN number or ID number		
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
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

14.7. Maritime transport in bulk according to IMO instruments Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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

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:

run text of fr and Eoff statements.		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
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	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Skin Corr. 1	H314	On basis of test data
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

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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.