

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

1.1. Product identifier

Product form : Mixture
Product name : UB20
Product code : 992
Type of product : Biocidal products (e.g. Disinfectants, pest control), Detergent
Product group : Mixture

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
Use of the substance/mixture : Disinfectant
Detergent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns Professional Hygiene UK Ltd
Clover House
Macclesfield Road
SK23 7DQ Whaley Bridge, Derbyshire
United Kingdom
T 01663 733114, F 01663 733115
info.cph.uk@christeyns.com, www.christeyns-ph.co.uk

Supplier

Christeyns NV
Afrikalaan 182
9000 GENT
Belgium
T +32 (0)9/ 223 38 71, F +32 (0)9/ 233 03 44
info@christeyns.be, www.christeyns.com

1.4. Emergency telephone number

Country/Area	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]

Skin corrosion/irritation, Category 1, Sub-Category 1B H314
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 2 H411

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

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS09

Signal word (CLP) : Danger

Contains : Fatty alcohol ethoxylate; Alcohol ethoxylated; Didecyltrimethylammonium Chloride; Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

UB20

Safety Data Sheet

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

Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. 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. 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. P363 - Wash contaminated clothing before reuse.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)

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 substance(s) are 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]
Alcohol ethoxylated	CAS-no: 69011-36-5 Einecs nr: 931-138-8 REACH-no: Exempted	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318
Didecyldimethylammonium Chloride (Active substance (Biocide))	CAS-no: 7173-51-5 Einecs nr: 230-525-2 EG annex nr: 612-131-00-6 REACH-no: 01-2119945987-15	5.854	Acute Tox. 4 (Oral), H302 (ATE=329 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	CAS-no: 68424-85-1 Einecs nr: 270-325-2	5.854	Acute Tox. 4 (Oral), H302 (ATE=795 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
Fatty alcohol ethoxylate	CAS-no: 160875-66-1 Einecs nr: 605-233-7 REACH-no: Exempted (polymer)	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Eye Dam. 1, H318
Alcohols C12-14, ethoxylated (>2-5EO)	CAS-no: 68439-50-9 Einecs nr: 931-014-3	0.1 – 1	Eye Dam. 1, H318 Aquatic Acute 1, H400

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	: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention.

UB20

Safety Data Sheet

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

- Eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain emergency medical attention.
- Ingestion : Do NOT induce vomiting. Rinse mouth out with water. Obtain emergency medical attention.
- 4.2. Most important symptoms and effects, both acute and delayed**
- Acute effects skin : Causes severe burns.
- Acute effects eyes : Causes serious eye damage.
- 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

Prompt treatment is essential to minimize damage.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. 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

General measures : Wear recommended personal protective equipment.

6.1.1. For non-emergency personnel

- Protective equipment : Avoid any direct contact with the product. Use personal protective equipment as required.
- Emergency procedures : Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so. Absorb and/or contain spill with inert material, then place in suitable container.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. Wash contaminated area with large amounts of water. Collect spillage.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not mix with other products. 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. Do not breathe dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place. Avoid high temperatures. Keep container closed when not in use.
- Incompatible products : Chlorine-based disinfectant. Strong acids. Strong bases.
- Incompatible materials : Direct sunlight.
- Packaging materials : Polyethylene.

7.3. Specific end use(s)

Disinfectant.

UB20

Safety Data Sheet

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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:

Good ventilation of the workplace required.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Goggles. Use eye protection according to EN 166, designed to protect against liquid splashes. If there is a risk of liquid being splashed : Wear suitable face shield

8.2.2.2. Skin protection

Protective equipment:

Wear suitable protective clothing. PVC apron covering the tops of the boots. Boots made of PVC

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Physical state/form	: Liquid.
Odour	: Slight.
Odour threshold	: Not available
Melting point/range	: Not determined as it is not relevant for the characterization of the product
Freezing point	: < 0 °C

UB20

Safety Data Sheet

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

Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not determined as it is not relevant for the characterization of the product
Lower explosion limit	: Constituents do not contain chemical groups associated with explosivity
Upper explosion limit	: Constituents do not contain chemical groups associated with explosivity
Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose.
pH	: 9.5 – 10
Viscosity, kinematic	: Thin liquid
Viscosity, dynamic	: < 20 cP at 20 °C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.025 g/cm ³
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

Fatty alcohol ethoxylate (160875-66-1)

Flash point	> 100 °C
-------------	----------

Alcohol ethoxylated (69011-36-5)

Flash point	> 150 °C
-------------	----------

Didecyldimethylammonium Chloride (7173-51-5)

Boiling point/Boiling range	100 °C
Flash point	> 26.4 °C
Vapour pressure	23 hPa

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)

Boiling point/Boiling range	> 107 °C
Vapour pressure	23 mbar

Alcohols C12-14, ethoxylated (>2-5EO) (68439-50-9)

Boiling point/Boiling range	540.1 K Source: Echa
Flash point	143 °C Source: Echa

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

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

UB20

Safety Data Sheet

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Fatty alcohol ethoxylate (160875-66-1)	
LD50 oral rat	> 300 (300 – 2000) mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	300 mg/kg bodyweight
Alcohol ethoxylated (69011-36-5)	
LD50 oral rat	> 300 (≤ 2000) mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight
Didecyltrimethylammonium Chloride (7173-51-5)	
LD50 oral	329 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	70 mg/l
ATE CLP (oral)	329 mg/kg bodyweight
ATE CLP (dust,mist)	70 mg/l/4h
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
LD50 oral rat	795 mg/kg
ATE CLP (oral)	795 mg/kg bodyweight
Alcohols C12-14, ethoxylated (>2-5EO) (68439-50-9)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), Guideline: other:
LD50 dermal rabbit	> 3000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Skin corrosion/irritation	: Causes severe skin burns. pH: 9.5 – 10
Alcohol ethoxylated (69011-36-5)	
pH	5 – 7
Didecyltrimethylammonium Chloride (7173-51-5)	
pH	6.5 – 8
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
pH	6 – 9
Serious eye damage/irritation	: Causes serious eye damage. pH: 9.5 – 10
Alcohol ethoxylated (69011-36-5)	
pH	5 – 7

UB20

Safety Data Sheet

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

Didecyldimethylammonium Chloride (7173-51-5)	
pH	6.5 – 8
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
pH	6 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
Alcohol ethoxylated (69011-36-5)	
NOAEL (oral, rat)	> 250 mg/kg bodyweight
STOT-repeated exposure	: Not classified
Alcohols C12-14, ethoxylated (>2-5EO) (68439-50-9)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
UB20	
Viscosity, kinematic	Thin liquid
Didecyldimethylammonium Chloride (7173-51-5)	
Viscosity, kinematic	≈ 24.5 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
11.2. Information on other hazards No additional information available	
SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Fatty alcohol ethoxylate (160875-66-1)	
EC50 - Crustacea [1]	> 10 mg/l
ErC50 algae	> 10 mg/l
NOEC chronic fish	> 1 mg/l
Alcohol ethoxylated (69011-36-5)	
LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	> 1 mg/l
ErC50 algae	1 – 10 mg/l
Didecyldimethylammonium Chloride (7173-51-5)	
LC50 - Fish [1]	0.49 mg/l (Brachydanio rerio) (OECD 203)
LC50 - Fish [2]	≈ 0.49 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.03 mg/l (Daphnia magna) (OECD 202)
EC50 - Crustacea [2]	≈ 0.029 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	0.057 mg/l Daphnia magna
EC50 - Other aquatic organisms [2]	0.156 mg/l
EC50 72h - Algae [1]	≈ 0.062 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	0.06 mg/l (Selenastrum capricornutum) (OECD 201)

UB20

Safety Data Sheet

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

Didecyldimethylammonium Chloride (7173-51-5)	
LOEC (chronic)	≈ 0.047 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≈ 0.021 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	0.021 mg/l (Daphnia magna) (OECD 211)
NOEC chronic algae	0.013 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
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
Alcohols C12-14, ethoxylated (>2-5EO) (68439-50-9)	
LC50 - Fish [1]	6.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	1.2 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	1.2 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	1.4 mg/l Test organisms (species): Daphnia magna
12.2. Persistence and degradability	
UB20	
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.
Fatty alcohol ethoxylate (160875-66-1)	
Persistence and degradability	Biodegradable.
Alcohol ethoxylated (69011-36-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test,Not established.
Didecyldimethylammonium Chloride (7173-51-5)	
Persistence and degradability	Rapidly degradable
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Persistence and degradability	Biodegradable.
Biodegradation	> 90 %
Alcohols C12-14, ethoxylated (>2-5EO) (68439-50-9)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
UB20	
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Fatty alcohol ethoxylate (160875-66-1)	
Bioaccumulative potential	No bioaccumulation.
Alcohol ethoxylated (69011-36-5)	
Bioaccumulative potential	No bioaccumulation. Not established.
Didecyldimethylammonium Chloride (7173-51-5)	
Log Pow	0.4
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	2.88
Bioaccumulative potential	No bioaccumulation.

UB20

Safety Data Sheet

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

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

UB20

Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria
---------------------------	--

Component

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)
---	--

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

Product/Packaging disposal recommendations

: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

HP Code

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)	Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides)
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides), 9, III
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Packing instructions (ADR)	: P001, IBC03, LP01, R001

UB20

Safety Data Sheet

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

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 (ADR)	: TP1, TP29
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 and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel code	: -
EAC code	: •3Z

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03

Air transport

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, A215

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 substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals):
Didecyldimethylammonium chloride (7173-51-5)

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)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

UB20

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	%
non-ionic surfactants	5-15%
disinfectants	
DIDECYLDIMONIUM CHLORIDE	

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

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS-No.	Chemical Abstract Service number
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EN	European Standard
ErC50 (algae)	ErC50 (algae)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
N.O.S.	Not Otherwise Specified
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
OEL	Occupational Exposure Limit
SDS	Safety Data Sheet
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

UB20

Safety Data Sheet

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

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products. This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: Expert judgement + Calculation method.

Full text of H- and EUH-statements:

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 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	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.