

# Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

		For professional users only.
Substance type:	:	Mixture
Use of the Substance/Mixture	:	Cleaner and disinfectant
Product code	:	104265E
Product name	:	DESGUARD 20

Product dilution information : 1.0 % - 2.0 %

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

Identified uses	:	Surface disinfectant. Spray and rinse manual process Kitchen cleaner. Spray and wipe manual process
Recommended restrictions on use	:	Reserved for industrial and professional use.

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

Company	<ul> <li>Ecolab Ltd.</li> <li>PO Box 11; Winnington Avenue</li> <li>Northwich, Cheshire, United Kingdom CW8 4DX</li> <li>+ 44 (0)1606 74488</li> <li>ccs@ecolab.com</li> </ul>
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#### 1.4 Emergency telephone number

Emergency telephone number	:	+441618841235 +32-(0)3-575-5555 Trans-European
Poison Information Centre telephone number	:	For medical professionals only: 0344 892 0111

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version	:	6.0

#### Section: 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

#### Product AS SOLD

Corrosive to metals, Category 1	H290
Skin corrosion, Sub-category 1B	H314

Serious eye damage, Catego Acute aquatic toxicity, Catego Chronic aquatic toxicity, Catego	ory 1	H318 H400 H411
Product AT USE DILUTION		
Not a hazardous substance of	or mixture.	
2.2 Label elements		
Labelling (REGULATION (B Product AS SOLD Hazard pictograms	EC) No 1272/2008) :	¥
Signal Word	: Danger	
Hazard Statements	: H290 H314 H400 H411	May be corrosive to metals. Causes severe skin burns and eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary Statements	<ul> <li>Prevention: P273 P280</li> <li>Response: P303 + P361</li> <li>P305 + P351</li> <li>P310</li> </ul>	all contaminated clothing. Rinse skin with water or shower.

Hazardous components which must be listed on the label: benzalkonium chloride N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

## Product AT USE DILUTION

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

#### 2.3 Other hazards

Product AS SOLD

None known.
Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2 Mixtures

#### Product AS SOLD Hazardous components

Chemical Name

Classification

CAS-No.

· · · · · · · · · · · · · · · · · · ·			
	EC-No. REACH No.	REGULATION (EC) No 1272/2008	: [%]
benzalkonium chloride	68424-85-1 270-325-2 01-2119965180-41	Acute toxicity Category 4; H302 Skin corrosion Category 1B; H314 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1; H410 M = 10 M(Chronic) = 1	>= 5 - < 10
N-(3-aminopropyl)-N- dodecylpropane-1,3- diamine	2372-82-9 219-145-8 01-2119980592-29	Acute toxicity Category 3; H301 Skin corrosion Category 1A; H314 Serious eye damage Category 1; H318 Specific target organ toxicity - repeated exposure Category 2; H373 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1; H410 M = 10 M(Chronic) = 1	>= 3 - < 5
C10-16 Polyglycoside	110615-47-9 01-2119489418-23	Skin irritation Category 2; H315 Serious eye damage Category 1; H318 Serious eye damage/eye irritation Category 1 > 12 - 100 % Serious eye damage/eye irritation Category 2 1 - 12 % Skin corrosion/irritation Category 2 30 - 100 %	>= 1 - < 2.5

### Product AT USE DILUTION Hazardous components

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Chemical Name	CAS-No.	Classification	Concentration
	EC-No.	REGULATION (EC) No 1272/2008	: [%]
	REACH No.	· · ·	
benzalkonium chloride	68424-85-1	Acute toxicity Category 4; H302	>= 0.1 - <
	270-325-2	Skin corrosion Category 1B; H314	0.25
	01-2119965180-41	Serious eye damage Category 1; H318	
		Acute aquatic toxicity Category 1; H400	
		Chronic aquatic toxicity Category 1; H410	
		M = 10	
		M(Chronic) = 1	
N-(3-aminopropyl)-N-	2372-82-9	Acute toxicity Category 3; H301	>= 0.025 - <
dodecylpropane-1,3-	219-145-8	Skin corrosion Category 1A; H314	0.1
diamine	01-2119980592-29	Serious eye damage Category 1; H318	
		Specific target organ toxicity - repeated	
		exposure Category 2; H373	
		Acute aquatic toxicity Category 1; H400	
		Chronic aquatic toxicity Category 1; H410	
		M = 10	
		M(Chronic) = 1	
For the full text of the H-Statements mentioned in this Section, see Section 16.			
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ction: 4. FIRST AID MEASURES			

## 4.1 Description of first aid measures

Product AS SOLD In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	:	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Product AT USE DILUTION		Dince with planty of water
In case of eye contact	:	Rinse with plenty of water.
In case of skin contact	:	Rinse with plenty of water.

## If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled	:	Get medical attention if symptoms occur.
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### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Indication of immediate medical attention and special treatment needed

Treatment

: Treat symptomatically.

# Section: 5. FIREFIGHTING MEASURES

## Product AS SOLD

#### 5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	None known.

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Not flammable or combustible.
Hazardous combustion products	Depending on combustion properties, decomposition products may include following materials: Carbon oxides nitrogen oxides (NOx) Hydrogen chloride

#### 5.3 Advice for firefighters

DESGUARD 20		
Special protective equipment for firefighters	: Use personal protective equipment.	
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.	
Section: 6. ACCIDENTAL RELEA	ASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures		
Product AS SOLD		
Advice for non-emergency personnel	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to	

Advice for emergency : responders		If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
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Product AT USE DILUTION Advice for non-emergency	:	Refer to protective measures listed in sections 7 and 8.
personnel Advice for emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

## 6.2 Environmental precautions

Environmental precautions	: Do not allow contact with soil, surface or ground water.
Product AT USE DILUTION Environmental precautions	: No special environmental precautions required.

# 6.3 Methods and materials for containment and cleaning up

<b>Product AS SOLD</b> Methods for cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.
Product AT USE DILUTION Methods for cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information. For personal protection see section 8. See Section 13 for additional waste treatment information.

#### 7.1 Precautions for safe handling

: Do not ingest. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not breathe spray, vapour. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).
: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
: Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.
: Wash hands before breaks and immediately after handling the product.

#### 7.2 Conditions for safe storage, including any incompatibilities

<b>Product AS SOLD</b> Requirements for storage areas and containers	: Protect from frost, heat and sunlight. Store at room temperature in the original container. Absorb spillage to prevent material damage. Keep out of reach of children. Keep container tightly closed. Keep only in original packaging. Store in suitable labeled containers.
Storage temperature	: 0 °C to 35 °C
Packaging material	: Suitable material: Plastic material
	Unsuitable material: Mild steel, Aluminium
<b>Product AT USE DILUTION</b> Requirements for storage areas and containers	: Protect from frost, heat and sunlight. Store at room temperature in the original container. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
7.3 Specific end uses	
Product AS SOLD	

: Surface disinfectant. Spray and rinse manual process Kitchen cleaner. Spray and wipe manual process

# Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Specific use(s)

## 8.1 Control parameters

#### Product AS SOLD

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Product AS SOLD Appropriate engineering controls

Engineering measures	:	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.	
Individual protection measure	es		
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.	
Eye/face protection (EN 166)	:	Safety goggles Face-shield	
Hand protection (EN 374)	:	Recommended preventive skin protection Gloves Nitrile rubber butyl-rubber Breakthrough time: 1 – 4 hours Minimum thickness for butyl-rubber 0.7 mm for nitrile rubber 0.4 mm or equivalent (please refer to the gloves manufacturer/distributor for advise). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.	
Skin and body protection (EN 14605)	:	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing including appropriate safety shoes	
Respiratory protection (EN 143, 14387)	:	None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.	
Product AT USE DILUTION Appropriate engineering controls			
Engineering measures	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Individual protection measure	Individual protection measures		
Hygiene measures	:	Wash hands before breaks and immediately after handling the product.	
Eye/face protection (EN	:	No special protective equipment required.	

166)	
Hand protection (EN 374)	: No special protective equipment required.
Skin and body protection (EN 14605)	: No special protective equipment required.
Respiratory protection (EN 143, 14387)	: None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

#### **Environmental exposure controls**

General advice : Consider the provision of containment around storage vessels.

# Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

	Product AS SOLD Product AT	USE DILUTION
Appearance	liquid liquid	
Colour	dark violet	
Odour	Perfumes, fragrances pleasant	
рН	9.9 - 10.9, 100 % 9.2 - 9.3	
Flash point	Not applicable.	
Odour Threshold	Not applicable and/or not determined for the m	nixture
Melting point/freezing point	Not applicable and/or not determined for the m	nixture
Initial boiling point and boiling range	Not applicable and/or not determined for the m	lixture
Evaporation rate	Not applicable and/or not determined for the m	nixture
Flammability (solid, gas)	Not applicable and/or not determined for the m	nixture
Upper explosion limit	Not applicable and/or not determined for the m	nixture
Lower explosion limit	Not applicable and/or not determined for the m	nixture
Vapour pressure	Not applicable and/or not determined for the m	nixture
Relative vapour density	Not applicable and/or not determined for the m	nixture
Relative density	0.992 - 1.002	
Water solubility	soluble	
Solubility in other solvents	Not applicable and/or not determined for the m	nixture
Partition coefficient: n- octanol/water	Not applicable and/or not determined for the m	iixture
Auto-ignition temperature	Not applicable and/or not determined for the m	nixture
Thermal decomposition	Not applicable and/or not determined for the m	nixture
Viscosity, kinematic	Not applicable and/or not determined for the m	nixture
Explosive properties	Not applicable and/or not determined for the m	nixture

Oxidizing properties : The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

Not applicable and/or not determined for the mixture

#### Section: 10. STABILITY AND REACTIVITY

#### Product AS SOLD

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

None known.

#### **10.5 Incompatible materials**

Mild steel Aluminium

#### **10.6 Hazardous decomposition products**

Depending on combustion properties, decomposition products may include following materials: Carbon oxides nitrogen oxides (NOx) Hydrogen chloride

#### Section: 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

<b>Product AS SOLD</b> Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact	
Product		
Acute oral toxicity	: Acute toxicity estimate : > 2,000 mg/kg	
Acute inhalation toxicity	: There is no data available for this produ	ıct.
Acute dermal toxicity	: There is no data available for this produ	ıct.
Skin corrosion/irritation	: There is no data available for this produ	ıct.
Serious eye damage/eye	: There is no data available for this produ	ıct.

irritation		
Respiratory or skin sensitization	:	There is no data available for this product.
Carcinogenicity	:	There is no data available for this product.
Reproductive effects	:	There is no data available for this product.
Germ cell mutagenicity	:	There is no data available for this product.
Teratogenicity	:	There is no data available for this product.
STOT - single exposure	:	There is no data available for this product.
STOT - repeated exposure	:	There is no data available for this product.
Aspiration toxicity	:	There is no data available for this product.
Components		
Acute oral toxicity	:	benzalkonium chloride LD50 rat: 344 mg/kg
		N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine LD50 rat: 261 mg/kg
		C10-16 Polyglycoside LD50 rat: > 5,000 mg/kg
Components		
Components Acute dermal toxicity	:	benzalkonium chloride LD50 rabbit: 3,340 mg/kg
-	:	benzalkonium chloride LD50 rabbit: 3,340 mg/kg
Acute dermal toxicity	:	benzalkonium chloride LD50 rabbit: 3,340 mg/kg Causes serious eye damage.
Acute dermal toxicity Potential Health Effects Product AS SOLD	: : :	
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes		Causes serious eye damage.
Acute dermal toxicity <b>Potential Health Effects</b> <b>Product AS SOLD</b> Eyes Skin	: : : :	Causes serious eye damage. Causes severe skin burns.
Acute dermal toxicity <b>Potential Health Effects</b> <b>Product AS SOLD</b> Eyes Skin Ingestion		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns.
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes Skin Ingestion Inhalation		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns. May cause nose, throat, and lung irritation.
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes Skin Ingestion Inhalation Chronic Exposure Product AT USE DILUTION		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns. May cause nose, throat, and lung irritation. Health injuries are not known or expected under normal use.
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes Skin Ingestion Inhalation Chronic Exposure Product AT USE DILUTION Eyes		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns. May cause nose, throat, and lung irritation. Health injuries are not known or expected under normal use. Health injuries are not known or expected under normal use.
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes Skin Ingestion Inhalation Chronic Exposure Product AT USE DILUTION Eyes Skin		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns. May cause nose, throat, and lung irritation. Health injuries are not known or expected under normal use. Health injuries are not known or expected under normal use.
Acute dermal toxicity Potential Health Effects Product AS SOLD Eyes Skin Ingestion Inhalation Chronic Exposure Product AT USE DILUTION Eyes Skin Ingestion		Causes serious eye damage. Causes severe skin burns. Causes digestive tract burns. May cause nose, throat, and lung irritation. Health injuries are not known or expected under normal use. Health injuries are not known or expected under normal use. Health injuries are not known or expected under normal use.

## Experience with human exposure

Product AS SOLD

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

# **DESGUARD 20**

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough
Product AT USE DILUTION Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

# Section: 12. ECOLOGICAL INFORMATION

# 12.1 Toxicity

Product AS SOLD Environmental Effects	:	Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.		
Product AT USE DILUTION Environmental Effects	:	This product has no known ecotoxicological effects.		
Product AS SOLD Product				
Toxicity to fish	:	no data available		
Toxicity to daphnia and other aquatic invertebrates	:	no data available		
Toxicity to algae	:	no data available		
Components				
Toxicity to fish	:	C10-16 Polyglycoside96 h LC50 Brachydanio rerio (zebrafish): 2.95 mg/l		
Components				
Toxicity to daphnia and other aquatic invertebrates	:	benzalkonium chloride48 h EC50 Daphnia magna (Water flea): 0.016 mg/l		
		C10-16 Polyglycoside48 h EC50 Daphnia magna (Water flea): 7 mg/l		
Components				
Toxicity to algae	:	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine72 h EC50: 0.014 mg/l		
		C10-16 Polyglycoside72 h EC50 Desmodesmus subspicatus (green algae): 12.5 mg/l		

# 12.2 Persistence and degradability

Product		
Biodegradability	:	The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC
Components		
Biodegradability	:	benzalkonium chlorideResult: Biodegradable
		N-(3-aminopropyl)-N-dodecylpropane-1,3-diamineResult: Readily biodegradable.
		C10-16 PolyglycosideResult: Readily biodegradable.

#### 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

#### Product

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

no data available

## Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste.Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### 13.1 Waste treatment methods

Product AS SOLD Product	: Do not contaminate storm water drains, natural waterways or soil with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of contents/container in accordance with local regulations. Dispose of wastes in an approved waste disposal facility.
Contaminated packaging	: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
Guidance for Waste Code selection	: Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the

toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.

Product AT USE DILUTION Product	:	Diluted product can be flushed to sanitary sewer if regulations permit.
Contaminated packaging	:	Dispose of in accordance with local, state, and federal regulations.

#### Section: 14. TRANSPORT INFORMATION

#### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (ADR/ADN/RID) 14.1 UN number 14.2 UN proper shipping name	<ul> <li>1903</li> <li>DISINFECTANT, LIQUID, CORROSIVE, N.O.S.</li> <li>(quaternary ammonium compound, Alkylamine(s))</li> </ul>
14.3 Transport hazard class(es) 14.4 Packing group	: 8 : III
14.5 Environmental hazards 14.6 Special precautions for user	: Yes : None
Air transport (IATA) 14.1 UN number 14.2 UN proper shipping name	<ul> <li>1903</li> <li>Disinfectant, liquid, corrosive, n.o.s.</li> <li>(quaternary ammonium compound, Alkylamine(s))</li> </ul>
14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards 14.6 Special precautions for	: 8 : III : Yes : None
user Sea transport (IMDG/IMO) 14.1 UN number 14.2 UN proper shipping name	: 1903 : DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environmental hazards	(quaternary ammonium compound, Alkylamine(s)) : 8 : III : Yes
14.6 Special precautions for user 14.7 Transport in bulk	: None : Not applicable.

according to Annex II of MARPOL 73/78 and the IBC Code

#### Section: 15. REGULATORY INFORMATION

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

according to Detergents Regulation EC 648/2004	: 5 % or over but less than 15 %: Cationic surfactants less than 5 %: Non-ionic surfactants
-	Contains: Perfumes
	Contains: Disinfectants

Seveso III: Directive	:	ENVIRONMENTAL HAZARDS E1
2012/18/EU of the European		Lower tier : 100 t
Parliament and of the Council		Upper tier : 200 t
on the control of major-		

Candidate List of Substances	:	Not applicable.
of Very High Concern for		
Authorisation		

#### **National Regulations**

accident hazards involving dangerous substances.

#### Take note of Dir 94/33/EC on the protection of young people at work.

Other regulations	:	The Chemicals (Hazard Information and Packaging for Supply) Regulations.
		The Control of Substances Hazardous to Health Regulations. Health and Safety at Work Act.

#### **15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out on the product. Section: 16. OTHER INFORMATION

#### Procedure used to derive the classification according to REGULATION (EC) No 1272/2008

Classification	Justification
Corrosive to metals 1, H290	Based on product data or assessment
Skin corrosion 1B, H314	Calculation method
Serious eye damage 1, H318	Calculation method
Acute aquatic toxicity 1, H400	Calculation method
Chronic aquatic toxicity 2, H411	Calculation method

#### Full text of H-Statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

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; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

Prepared by

: Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.