

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Elsan Double Blue ant-bacterial toilet fluid

Revision 8

Revision date 2015-11-11

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

#### 1.1. Product identifier

Product name	Elsan Double Blue ant-bacterial toilet fluid
Other means of identification	+DBLU400; +DBLU01; +DBLU02
Product code	TF-24

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC8] Biocidal products (e.g. Disinfectants, pest control);
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#### 1.3. Details of the supplier of the safety data sheet

Company	Elsan Limited
Address	Bellbrook Park, Uckfield, East Sussex TN22 1QF, England
Web	www.elsan.co.uk
Telephone	+44 (0) 1825 748200
Fax	+44 (0) 1825 761212
Email	sales@elsan.co.uk
Email address of the competent person	sales@elsan.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	+44 (0) 1825 748200 9.00 am - 5.00 pm Mon - Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43 Symbols: T: Toxic.
Main hazards	Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302+H312; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Muta. 2: H341; Carc. 1B: H350;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.

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## 2.2. Label elements

<b>Precautionary Statement:</b> <b>Prevention</b>  <b>Precautionary Statement:</b> <b>Response</b>  <b>Precautionary Statement:</b> <b>Storage</b> <b>Precautionary Statement:</b> <b>Disposal</b>	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Muta. 2: H341 - Suspected of causing genetic defects . Carc. 1B: H350 - May cause cancer .
	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ physician /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  P501 - Dispose of contents/container to accordance with local requirements on waste disposal

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Formaldehyde...% (Formaldehyde)	605-001-00-5	50-00-0	200-001-8		20 - 30%	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43	
Methanol	603-001-00-X	67-56-1	200-659-6		1 - 10%	F; R11 T; R23/24/25-39/23/24/25	
C12-15 Pareth-11		68131-39-5	500-195-7		1 - 10%	Xn; R22 Xi; R41	
Coumarin		91-64-5	202-086-7		0 - 0.1%	Xn; R22 Xi; R43	
Limonene	601-029-00-7	138-86-3	205-341-0		0 - 0.1%	R10 Xi; R38 R43 N; R50/53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Formaldehyde...% (Formaldehyde)	605-001-00-5	50-00-0	200-001-8		20 - 30%	Carc. 1B: H350; Muta. 2: H341; Acute Tox. 3: H331; Acute Tox. 3: H301; Skin Corr. 1B: H314; Skin Sens. 1: H317;	
Methanol	603-001-00-X	67-56-1	200-659-6		1 - 10%	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H301; STOT SE 1: H370;	
C12-15 Pareth-11		68131-39-5	500-195-7		1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
Coumarin		91-64-5	202-086-7		0 - 0.1%	Acute Tox. 4: H302; Skin Sens. 1: H317;	
Limonene	601-029-00-7	138-86-3	205-341-0		0 - 0.1%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
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## 4.1. Description of first aid measures

Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Carbon oxides.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters


## 8.1.1. Exposure Limit Values

Formaldehyde...% (Formaldehyde)	WEL 8-hr limit ppm: 2	WEL 8-hr limit mg/m3: 2.5
	WEL 15 min limit ppm: 2	WEL 15 min limit mg/m3: 2.5
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Methanol	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m3: 266
	WEL 15 min limit ppm: 250	WEL 15 min limit mg/m3: 333
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

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## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic
Odour threshold	No data available
pH	7 - 8
Melting point	Not applicable.
Freezing Point	No data available
Initial boiling point	No data available
Flash point	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	Not applicable.
Relative density	1.072 - 1.076 (H <sub>2</sub> O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	30 sec. 4 mm (ISO 2431)
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Miscible in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.
VOC (Volatile organic compounds)	Not applicable.

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## SECTION 11: Toxicological information

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## 11.1. Information on toxicological effects

Acute toxicity	May cause sensitisation by skin contact.
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## 11.1.4. Toxicological Information

C12-15 Pareth-11	Oral Rat LD50: 556	Dermal Rabbit LD50: >2000
Formaldehyde...%	Dermal Rat LD50: 674.2 Inhalation Rat LC50/4 h: 128.2	Oral Rat LD50: 460
Methanol	Oral Rat LD50: 1187	Dermal Rabbit LD50: 17100

## SECTION 12: Ecological information

## 12.1. Toxicity

C12-15 Pareth-11	Daphnia EC50/48h: 5.0000 mg/l	Fish LC50/96h: 5.0000 mg/l
Formaldehyde...%	Daphnia EC50/48h: 5.8000 mg/l Fish LC50/96h: 6.7000 mg/l	Algae IC50/72h: 4.8900 mg/l
Methanol	Daphnia EC50/48h: 10000.0000 mg/l	Fish LC50/96h: 15400.0000 mg/l

## 12.3. Bioaccumulative potential

## Partition coefficient

	Elsan Double Blue ant-bacterial toilet fluid No data available
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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## 14.4. Packing group

	The product is not classified as dangerous for carriage.
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## 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents.

## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>2 - 2.1.2. Classification - EC 1272/2008.</p> <p>2 - Signal Word.</p> <p>2 - Precautionary Statement: Prevention.</p> <p>2 - Precautionary Statement: Response.</p> <p>2 - Precautionary Statement: Storage.</p> <p>2 - Precautionary Statement: Disposal.</p>
Text of risk phrases in Section 3	<p>R10 - Flammable</p> <p>R11 - Highly flammable.</p> <p>R22 - Harmful if swallowed.</p> <p>R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R34 - Causes burns.</p> <p>R38 - Irritating to skin.</p> <p>R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p> <p>R40 - Limited evidence of a carcinogenic effect.</p> <p>R41 - Risk of serious damage to eyes.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>
Text of Hazard Statements in Section 3	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Acute Tox. 3: H331 - Toxic if inhaled.</p> <p>STOT SE 1: H370 - Causes damage to organs .</p> <p>STOT SE 2: H371 - May cause damage to organs .</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.



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according to Regulation (EU) 2015/830

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## Elsan anti-bacterial double toilet rinse

Revision 6

Revision date 2016-02-29

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

#### 1.1. Product identifier

Product name	Elsan anti-bacterial double toilet rinse
Other means of identification	+DRIN400, +DRIN01, +DRIN02
Product code	TF-26

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);
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#### 1.3. Details of the supplier of the safety data sheet

Company	Elsan Limited
Address	Bellbrook Park, Uckfield, East Sussex TN22 1QF, England
Web	www.elsan.co.uk
Telephone	+44 (0) 1825 748200
Fax	+44 (0) 1825 761212
Email	sales@elsan.co.uk
Email address of the competent person	sales@elsan.co.uk

#### 1.4. Emergency telephone number

Emergency telephone number	+44 (0) 1825 748200 9.00 am - 5.00 pm Mon - Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children.



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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ physician /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to accordance with local requirements on waste disposal

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
C12-15 Pareth-11		68131-39-5	500-195-7		0 - 5%	Xn; R22 Xi; R41	
Benzalkonium chloride (C12-C16)		68424-85-1	270-325-2		0 - 5%		
Limonene	601-029-00-7	138-86-3	205-341-0		0 - 0.1%	R10 Xi; R38 R43 N; R50/53	
Hexyl Cinnamal		101-86-0	202-983-3		0 - 0.1%	Xi; R38-43	
Butylphenyl methylpropional		80-54-6	201-289-8		0 - 0.1%	Xn; R22-62 Xi; R38-43 N; R51/53	
Benzyl Salicylate		118-58-1	204-262-9		0 - 0.1%	Xi; R43 N; R51/53	
Linalool		78-70-6	201-134-4		0 - 0.1%	Xi; R38	
Eugenol		97-53-0	202-589-1		0 - 0.1%	Xi; R36-43	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
C12-15 Pareth-11		68131-39-5	500-195-7		0 - 5%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
Benzalkonium chloride (C12-C16)		68424-85-1	270-325-2		0 - 5%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Corr. 1B: H314; Aquatic Acute 1: H400;	
Limonene	601-029-00-7	138-86-3	205-341-0		0 - 0.1%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Hexyl Cinnamal		101-86-0	202-983-3		0 - 0.1%	Skin Irrit. 2: H315; Skin Sens. 1: H317;	
Butylphenyl methylpropional		80-54-6	201-289-8		0 - 0.1%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
Benzyl Salicylate		118-58-1	204-262-9		0 - 0.1%	Skin Sens. 1: H317; Aquatic Chronic 2: H411;	
Linalool		78-70-6	201-134-4		0 - 0.1%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	
Eugenol		97-53-0	202-589-1		0 - 0.1%	Skin Sens. 1: H317; Eye Irrit. 2: H319;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.



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## 4.1. Description of first aid measures

Ingestion	Harmful if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.
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## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Coughing, difficulty in breathing and in severe cases, loss of consciousness.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	Seek medical attention.

## General information

	Consult a physician. Show this safety data sheet to the doctor in attendance.
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## Further information

	No additional information available.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam. Use extinguishing media appropriate to the surrounding fire conditions. Water spray.
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## 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## Further information

	No additional information available.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## 6.4. Reference to other sections

	For disposal see section 13.
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## Further information

	No additional information available.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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## 7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Keep away from food, drink and animal feedingstuffs.
	Keep only in the original container in a cool, well-ventilated place.

## 7.3. Specific end use(s)

	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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## Further information



	No additional information available.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

	See section 8.2 for further information.
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## 8.2. Exposure controls

	 
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves.
Respiratory protection	Wear:.. Suitable respiratory equipment.
Thermal hazards	No data available.
8.2.3. Environmental exposure controls	No data available.
Occupational exposure controls	No data available.

## Further information

	No additional information available.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Pink
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	7 - 8
<b>Melting point</b>	Not applicable.
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	1 - 1.005 (H <sub>2</sub> O = 1 @ 20 °C)
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	Not applicable.
<b>Viscosity</b>	21 sec. 4 mm (ISO 2431)
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Solubility</b>	Miscible in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	Not applicable.
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	Not applicable.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data is available on this product.
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## 10.2. Chemical stability

	Stable under recommended storage conditions.
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## 10.3. Possibility of hazardous reactions

	No data is available on this product.
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## 10.4. Conditions to avoid

	No data is available on this product.
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## 10.5. Incompatible materials

	No data is available on this product.
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## 10.6. Hazardous decomposition products

	No data is available on this product.
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## Further information

	No additional information available.
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## SECTION 11: Toxicological information

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## 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
	May cause irritation to skin and eyes.

## 11.1.2. Mixtures

	No data available.
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## 11.1.3. Hazard Information

	No data available.
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## 11.1.4. Toxicological Information

Benzalkonium chloride (C12-C16)	Oral Rat LD50: 795	Dermal Rabbit LD50: >5000
C12-15 Pareth-11	Oral Rat LD50: 556	Dermal Rabbit LD50: >2000

## 11.1.5. Hazard Class

	No data available.
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## 11.1.6. Classification Criteria

	No data available.
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## 11.1.7. Information on likely routes of exposure

	No data available.
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## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data available.
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## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data available.
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## 11.1.10. Interactive effects

	No data available.
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## 11.1.11. Absence of specific data

	No data available.
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## 11.1.12. Mixture versus substance information

	No data available.
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## 11.1.13. Other information

	No data available.
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## Further information

	No additional information available.
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## SECTION 12: Ecological information

## 12.1. Toxicity

Benzalkonium chloride (C12-C16)	Daphnia EC50/48h: 0.0160 mg/l	Rainbow trout LC50/96h: 0.85
C12-15 Pareth-11	Daphnia EC50/48h: 5.0000 mg/l	Fish LC50/96h: 5.0000 mg/l

## 12.2. Persistence and degradability

	No data is available on this product.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## Partition coefficient

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## Partition coefficient

	Elsan anti-bacterial double toilet rinse	No data available
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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## 12.6. Other adverse effects

	No data is available on this product.
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## Further information

	No additional information available.
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## Disposal methods

	This material and its container must be disposed of in a safe way.
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## Disposal of packaging

	Containers must be recycled in compliance with national legislation and environmental regulations.
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## Further information

	No additional information available.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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## 14.4. Packing group

	The product is not classified as dangerous for carriage.
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## 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

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

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation,
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents.
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## 15.2. Chemical safety assessment

	For this product a chemical safety assessment was not carried out.
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## Further information

	No additional information available.
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## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas: 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response.
Text of risk phrases in Section 3	R10 - Flammable R22 - Harmful if swallowed. R36 - Irritating to eyes. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 - Possible risk of impaired fertility.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation.

## Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.
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