



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Elsan Grey water Tank Fresh

Revision 3

Revision date 2018-06-01

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

1.1. Product identifier

Product name	Elsan Grey water Tank Fresh
Other means of identification	+GREY02
Product code	MF-107

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	Xi; R36 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation.

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2.2. Label elements

Precautionary Statement: Prevention	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ physician /if you feel unwell. 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.
Precautionary Statement: Disposal	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.
Sodium dodecylbenzenesulphonate		85117-50-6	285-600-2			Xn; R22 Xi; R38-41	
2-Bromo-2-nitropropane-1,3-diol	603-085-00-8	52-51-7	200-143-0			Xn; R21/22 Xi; R37/38-41 N; R50	M=10
Limonene	601-029-00-7	138-86-3	205-341-0			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.
Sodium dodecylbenzenesulphonate		85117-50-6	285-600-2			Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
2-Bromo-2-nitropropane-1,3-diol	603-085-00-8	52-51-7	200-143-0			Acute Tox. 4: H312; Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400;	M=10
Limonene	601-029-00-7	138-86-3	205-341-0			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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
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	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.

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

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 (CO2). 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

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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

Appearance	Liquid
Colour	Green
Odour	Characteristic
Odour threshold	No data available
pH	3 - 5
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	1.01 - 1.03 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	50 sec. 4 mm (ISO 2431)
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Miscible in water

9.2. Other information

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9.2. Other information

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

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

11.1. Information on toxicological effects

	No data is available on this product.
Acute toxicity	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

2-Bromo-2-nitropropane-1,3-diol	Dermal Rat LD50: >2000 Inhalation Rat LC50/4 h: 0.588	Oral Rat LD50: 305
Sodium dodecylbenzenesulphonate	Oral Rat 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

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11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

No data available.

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

11.1.10. Interactive effects

No data available.

11.1.11. Absence of specific data

No data available.

11.1.12. Mixture versus substance information

No data available.

11.1.13. Other information

No data available.

Further information

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

2-Bromo-2-nitropropane-1,3-diol

Daphnia EC50/48h: 1.4000 mg/l

Algae IC50/72h: 2.8000 mg/l

Fish LC50/96h: 41.2000 mg/l

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Elsan Grey water Tank Fresh No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

Further information

No additional information available.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

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

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, 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

Text of risk phrases in Section 3	R10 - Flammable R21/22 - Harmful in contact with skin and if swallowed. R22 - Harmful if swallowed. R37/38 - Irritating to respiratory system and skin. R38 - Irritating to skin. R41 - Risk of serious damage to eyes.
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Other information

Text of Hazard Statements in Section 3	R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R50 - Very toxic to aquatic organisms.
	Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Acute Tox. 4: H312 - Harmful in contact with skin. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

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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