



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

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

1.1. Product identifier

Product name	Elsil Drinking Water Purifier
Other means of identification	+ELS100 +ELS05 +ELS365

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC37] Water treatment chemicals;
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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

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	No Significant Hazard
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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.
Water		7732-18-5	231-791-2		90 - 100%		
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0		0 - 3%	R5 O; R8 C; R35 Xn; R20/22	
Silver					0 - 0.005%	O; R8 C; R34 N; R50/53	

Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Water		7732-18-5	231-791-2		90 - 100%		
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0		0 - 3%	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314;	
Silver					0 - 0.005%	Ox. Sol. 2: H272; Skin Corr. 1B: H314; Aquatic Chronic 1: H410;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

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

	Use extinguishing media appropriate to the surrounding fire conditions.
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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. Use appropriate personal 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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Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

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

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from food, drink and animal feedingstuffs.
Suitable packaging	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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8.1.1. Exposure Limit Values

Hydrogen peroxide solution...% (Hydrogen peroxide)	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 1.4
	WEL 15 min limit ppm: 2	WEL 15 min limit mg/m3: 2.8
	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:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves.
Respiratory protection	Not normally required.
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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Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Odour threshold	Not applicable.
pH	2 - 4
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 - 1.1 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
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**10.1. Reactivity**

No data is available on this product.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data is available on this product.

10.4. Conditions to avoid

No data is available on this product.

10.5. Incompatible materials

No data is available on this product.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

Further information

No additional information available.

Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

No data is available on this product.

11.1.2. Mixtures

No data available.

11.1.3. Hazard Information

No data available.

11.1.4. Toxicological Information

No data available

11.1.5. Hazard Class

Non hazardous.

11.1.6. Classification Criteria

No data available.

11.1.7. Information on likely routes of exposure

No data available.

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**

No data available

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

Elsil Drinking Water Purifier No data available

12.4. Mobility in soil

No data is available on this product.

Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

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.

Further information

No additional information available.

SECTION 14: Transport information**14.1. UN number**

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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.

Further information

The product is not classified as dangerous for carriage.

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

Elsil Drinking Water Purifier

Revision 2

Revision date 2015-05-13

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

	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**

	R5 - Heating may cause an explosion. R8 - Contact with combustible material may cause fire. R20/22 - Harmful by inhalation and if swallowed. R34 - Causes burns. R35 - Causes severe burns. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Text of Hazard Statements in Section 3

	Ox. Liq. 1: H271 - May cause fire or explosion; strong oxidiser. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H332 - Harmful if inhaled. Ox. Sol. 2: H272 - May intensify fire; oxidiser. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
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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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