



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Elsil Drinking Water Purifier

Revision 4  
Revision date 2019-01-09

### 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 +ELS25
CAS No.	7732-18-5
EC No.	231-791-2

#### 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; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [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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#### 2.3. Other hazards

Other hazards	No Significant Hazard.
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### SECTION 3: Composition/information on ingredients

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## 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%		

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0		1 - 10%	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314;	

## 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

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## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

## 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.

## 6.4. Reference to other sections

For disposal see section 13.

### Further information

No additional information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

### 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.

### Further information

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

See section 8.2 for further information.

### 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.

## 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>	Colourless
<b>Odour</b>	Odourless
<b>Melting point</b>	Not applicable.
<b>Evaporation rate</b>	No data available
<b>Relative density</b>	1 - 1.1 (H <sub>2</sub> O = 1 @ 20 °C)
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	2 - 4
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	Not applicable.
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	Not applicable.
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<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.

## 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.

## SECTION 11: Toxicological information

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## 11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin, eyes and mucous membranes.
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### 11.1.2. Mixtures

	No data available.
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### 11.1.3. Hazard Information

	No additional information available.
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### 11.1.4. Toxicological Information

	No data available
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### 11.1.5. Hazard Class

	Non hazardous.
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### Further information

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

### 12.1. Toxicity

	No data available
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### 12.2. Persistence and degradability

	Readily biodegradable.
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### 12.3. Bioaccumulative potential

	Does not bioaccumulate.
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### Partition coefficient

	<b>Elsil Drinking Water Purifier</b> 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

### 13.1. Waste treatment methods

	Dilute with water. Flush down the drain with plenty of water.
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### 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.

**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 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.

**15.2. Chemical safety assessment**

No additional information available.

**Further information**

No additional information available.

**SECTION 16: Other information****Other information****Revision**

This document differs from the previous version in the following areas:.

- 2 - 2.2. Label elements.
- 11 - 11.1.4. Toxicological Information.
- 11 - Acute toxicity.
- 11 - Skin corrosion/irritation.
- 11 - Respiratory or skin sensitisation.
- 11 - Germ cell mutagenicity.
- 11 - Further information.
- 11 - 11.1. Information on toxicological effects.

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## Other information

	<p>11 - 11.1.2. Mixtures.  11 - 11.1.3. Hazard Information.  11 - 11.1.5. Hazard Class.  11 - 11.1.6. Classification Criteria.  11 - 11.1.7. Information on likely routes of exposure.  11 - 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics.  11 - 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure.  11 - 11.1.10. Interactive effects.  11 - 11.1.11. Absence of specific data.  11 - 11.1.12. Mixture versus substance information.  11 - 11.1.13. Other information.  12 - 12.4. Mobility in soil.  12 - 12.2. Persistence and degradability.  12 - 12.3. Bioaccumulative potential.  13 - 13.1. Waste treatment methods.  15 - 15.2. Chemical safety assessment.</p>
Text of Hazard Statements in Section 3	<p>Ox. Liq. 1: H271 - May cause fire or explosion; strong oxidiser.  Ox. Liq. 2: H272 - May intensify fire; oxidiser.  Acute Tox. 4: H302 - Harmful if swallowed.  Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.  Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  Skin Irrit. 2: H315 - Causes skin irritation.  Eye Dam. 1: H318 - Causes serious eye damage.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Acute Tox. 4: H332 - Harmful if inhaled.  STOT SE 3: H335 - May cause respiratory irritation.</p>

## Further information

	<p>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.</p>
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