



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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PEROXIDE DESTAINER

Revision 14

Revision date 2011-12-15

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

1.1. Product identifier

Product name PEROXIDE DESTAINER

1.3. Details of the supplier of the safety data sheet

Company Merlin Chemicals Ltd
Address Unit 5, Passfield Mill Business Park, Liphook, Hants. GU30 7RR. United Kingdom
Web www.merlinchemicals.co.uk
Telephone +44 (0)1428 751122
Fax +44 (0)1428 751133
Email technical@merlinchemicals.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC
Xn; R22 Xi; R37/38-38-41
Symbols: Xn: Harmful.

Main hazards Harmful if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes.

2.2. Label elements

Symbols Xn: Harmful.



Risk phrases
R22 - Harmful if swallowed.
R37/38 - Irritating to respiratory system and skin.
R41 - Risk of serious damage to eyes.

Safety phrases
S1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S25 - Avoid contact with eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 - Wear suitable gloves and eye/face protection.
S46 - If swallowed, seek medical advice immediately and show this container or label.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0			R5 O; R8 C; R35 Xn; R20/22

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation	Irritating to 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. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.

General information

	Symptomatic treatment. Treat eye first. Avoid gastric washing, use of gastric catheter to release stomach gasses. In case of intense pain, inject an I.M. Morphomimetic analgesic drug (pirtamide) before taking to hospital.
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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

	Rapid release of oxygen. May cause fires or fierce explosions.
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5.3. Advice for firefighters

	Wear: Self-contained breathing apparatus.
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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. Advise local authorities if large spills cannot be contained.
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6.3. Methods and material for containment and cleaning up

	Contain with sand or granules.
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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.
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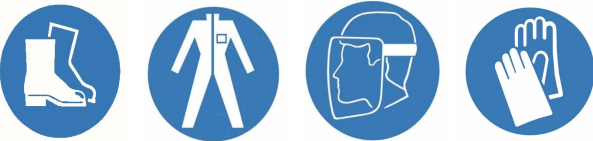
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

8.2. Exposure controls

	
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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	Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Face shield.
Skin protection - Handprotection	Rubber gloves.
Respiratory protection	Wear suitable respiratory equipment when necessary.
8.2.3. Environmental exposure controls	Users should be aware of environmental considerations and their duties under the Environmental Protection Act.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Characteristic
pH	1 - 4
Boiling point	100
Flammability limits	Not flammable.
Relative density	1.1 - 1.2 (Water = 1 @ 20 °C)
Oxidising	Oxidising agent.
Solubility	Soluble in water

Water solubility

	Soluble in water.
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Acids,alkalis,metals,salts of metals,reducing agents, organic materials and flammable substances.
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10.4. Conditions to avoid

	Heat.
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10.6. Hazardous decomposition products

	Oxygen and steam.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Carcinogenicity	These are not demonstrated in humans.

SECTION 12: Ecological information

12.2. Persistence and degradability

	Will inhibit action of biological treatment plant.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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12.4. Mobility in soil

	Miscible in water.
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SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal of packaging

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

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN2014

14.2. UN proper shipping name

HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

ADR/RID	5.1
Subsidiary risk	8
IMDG	5.1
Subsidiary risk	8
IATA	5.1
Subsidiary risk	8

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	58
Tunnel Category	(E)

IMDG

EmS Code F-H S-Q

IATA

Packing Instruction (Cargo)	FORBIDDEN
Maximum quantity	FORBIDDEN
Packing Instruction (Passenger)	FORBIDDEN
Maximum quantity	FORBIDDEN

SECTION 15: Regulatory information

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

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.

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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.
R35 - Causes severe burns.

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.