



# admiral

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### UNIVERSAL GLASS RENOVATOR

Revision 0

Revision date 2011-12-22

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

##### 1.1. Product identifier

Product name UNIVERSAL GLASS RENOVATOR

##### 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  
Xi; R36/38 R52/53  
Symbols: Xi: Irritant.

Main hazards Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### 2.2. Label elements

Symbols Xi: Irritant.



Risk phrases R36/38 - Irritating to eyes and skin.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases S1/2 - Keep locked up and out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S22 - Do not breathe dust.  
S25 - Avoid contact with eyes.  
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

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## 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		70 - 80%	Xi; R36
Sodium metasilicate pentahydrate		10213-79-3	229-912-9		1 - 10%	C; R34 Xi; R37
Troclosene sodium, dihydrate	613-030-01-7	51580-86-0	220-767-7		1 - 10%	Xn; R22 R31 Xi; R36/37 N; R50/53

## SECTION 4: First aid measures

## 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. Remove contaminated clothing. 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.

## 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: 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.
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## 6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal.
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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.
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## SECTION 8: Exposure controls/personal protection

## 8.2. Exposure controls

	 
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.

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## 8.2. Exposure controls

<b>8.2.2. Individual protection measures</b>	Adopt best Manual Handling considerations when handling, carrying and dispensing.
<b>Eye / face protection</b>	Safety glasses.
<b>Skin protection - Handprotection</b>	Rubber gloves.
<b>8.2.3. Environmental exposure controls</b>	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

<b>State</b>	Granules.
<b>Colour</b>	White
<b>Odour</b>	Characteristic
<b>pH</b>	13 - 14
<b>Solubility</b>	Soluble in water

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	Acids. Oxidising agents.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	The material is unlikely to cause any adverse effects in normal conditions of handling and use.
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## SECTION 12: Ecological information

### 12.1. Toxicity

	No data is available on this product.
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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

### ADR/RID

	The product is not classified as dangerous for carriage.
	Not classified as hazardous for transport.

### IMDG

	The product is not classified as dangerous for carriage.
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### IATA

	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

	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.
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**SECTION 16: Other information****Other information**

<b>Text of risk phrases in Section 3</b>	R22 - Harmful if swallowed. R31 - Contact with acids liberates toxic gas. R34 - Causes burns. R36/37 - Irritating to eyes and respiratory system. R36 - Irritating to eyes. R37 - Irritating to respiratory system. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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. This version replaces all previous versions.