



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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9.9% Bleach

Revision 0

Revision date 2015-06-23

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

1.1. Product identifier

Product name	9.9% Bleach
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1.3. Details of the supplier of the safety data sheet

Company	Astral CSL
Address	Pilkington Industrial Estate Rake Lane Swinton M27 8LJ
Web	www.astralcsl.com
Telephone	0044 (0) 161 643 0260
Fax	0044 (0) 870 199 2072
Email	info@astralcsl.com
Email address of the competent person	r.murie@astralcsl.com

1.4. Emergency telephone number

Emergency telephone number	0044 (0) 7725 123 546
Company	Roger Murie

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	<ul style="list-style-type: none"> - Aquatic Acute 1 - Eye Dam. 1 - STOT SE 3 - Skin Corr. 1B - Met. Corr. 1
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2.2. Label elements

Hazard Pictograms	
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Risk phrases

- Signal Word: Danger
- Symbols: C, N
- Hazard phrases
 - H290 - May be corrosive to metals.
 - H314 - Causes severe skin burns and eye damage.
 - H335 - May cause respiratory irritation.
 - H400 - Very toxic to aquatic life.
- Precautionary Phrases
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 - P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P273 - Avoid release to the environment.
 - P310 - Immediately call a POISON CENTER or doctor/physician.
 - P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- Risk Phrases
 - R31 - Contact with acids liberates toxic gas

SECTION 2 Hazards identification (....)

- R34 - Causes burns
- R50 - Very toxic to aquatic organisms
- Safety Phrases
 - S27/28 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
 - S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) S50 - Do not mix with acid
 - S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets

2.3 Other hazards

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 factor.	M-
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10% C;	R34 R31 N; R50	

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EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration (%w/w)	Conc.	Classification	M-factor. Number
Sodium hypochlorite, solution...%	017-011-00-1	7681-52-9	231-668-3		1 - 10%	Skin Corr. 1B: H314; Aquatic	
Cl active						Acute 1: H400;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation may cause nausea and vomiting. May cause sensitisation by inhalation. Move the exposed person to fresh air. Remove casualty from exposure ensuring one's own safety whilst doing so. Remove the affected person from the source of contamination immediately. Sensitizer,
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4.1. Description of first aid measures

Eye contact	Lungs. Bathe the eye with running water for 15 minutes. Contact lenses should be removed. If you feel unwell, seek medical advice (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Avoid contact with skin and eyes. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If you feel unwell, seek medical advice (show the label where possible). Remove casualty from exposure ensuring one's own safety whilst doing so. Wash with soap and water.
Ingestion	Drink 1 to 2 glasses of water. Remove casualty from exposure ensuring one's own safety whilst doing so. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

	In case of fire and/or explosion do not breathe fumes.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective clothing and eye/face protection.
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6.2. Environmental precautions

	Do not empty into drains; dispose of this material and its container in a safe way. Do not let product contaminate subsoil.
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6.3. Methods and material for containment and cleaning up

	Do not let product contaminate subsoil. Empty containers can be cleaned with water. Use appropriate container to avoid environmental contamination. Wear suitable protective clothing, gloves and eye/face protection.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Apply a barrier cream before handling the product.
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7.2. Conditions for safe storage, including any incompatibilities

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	Keep in a cool, dry, well ventilated area. Keep locked up and out of the reach of children. Store in correctly labelled containers. Store in original container.
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7.3. Specific end use(s)

	Keep out of the reach of children.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.2. Individual protection measures

	Appropriate respiratory protection. Avoid contact with eyes and skin. Protect clothing from contact with the product. Use appropriate personal protective equipment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Chlorine
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

	Acids. Oxidising agents. Strong oxidising agents.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Strong acids and strong bases. Strong oxidising agents.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Contact with strong acids will produce an exothermic reaction. Will not polymerize.
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10.5. Incompatible materials

	Acid chlorides. Acids.
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10.6. Hazardous decomposition products

	Chlorine.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation
Respiratory or skin sensitisation

	Irritating to eyes, respiratory system and skin.
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	May cause irritation to skin in susceptible persons. May cause sensitisation by inhalation and skin contact.
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11.1.4. Toxicological Information

3% Bleach	Oral Rat LD50: >20,000mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

3% Bleach	Fish LC50/96h: 890.0000 mg/l
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12.2. Persistence and degradability

	This surfactant complies with the biodegradability criteria as laid down by Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request, or at the request of the detergent manufacturer.
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12.3.

	No observed effect level.
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Bioaccumulative potential

12.4. Mobility in soil

	Immiscible in water. Slightly soluble in water.
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SECTION 13: Disposal considerations

Disposal methods

	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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Disposal of packaging

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

	Empty containers can be cleaned with water.
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SECTION 14: Transport information

Hazard pictograms



14.1. UN number

	UN1791
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14.2. UN proper shipping name

	HYPOCHLORITE SOLUTION
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14.3. Transport hazard class(es)

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

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

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.
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SECTION 16: Other information

Other information

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Text of risk phrases in Section 3	R31 - Contact with acids liberates toxic gas. R34 - Causes burns.
Text of Hazard Statements in Section 3	R50 - Very toxic to aquatic organisms. EUH031 - Contact with acids liberates toxic gas. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life.
Other information	

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