



SAFETY DATA SHEET

Sodium Hypochlorite 14/15%

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Sodium Hypochlorite 14/15%

SUPPLIER Christeyns UK Ltd
Rutland Street,
Bradford,
West Yorkshire. BD4 7EA
Tel: 01274 393286
Fax: 01274 309143
info@christeyns.co.uk

PRODUCT NO. 7516/10737

APPLICATION Bleach

2 HAZARDS IDENTIFICATION

Causes burns. Very toxic to aquatic organisms. Contact with acids liberates toxic gas.

CLASSIFICATION (1999/45) C;R34. N;R50. R31.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE	231-668-3	7681-52-9	15-30%	C;R34 R31 N;R50

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Drink plenty of water. DO NOT induce vomiting. Get medical attention immediately. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. DO NOT USE DRY CHEMICAL OR FOAM. KEEP CONTAINERS COOL WITH WATER SPRAY.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed immediately or cooled with water. Wear self-contained breathing apparatus and full body protection.

SPECIFIC HAZARDS

Toxic gases/vapours/fumes of Chlorine. Fire or high temperatures create: Oxygen.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Sodium Hypochlorite 14/15%

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Inform Authorities if large amounts are involved. Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush contaminated area with plenty of water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Eye wash facilities and emergency shower must be available when handling this product. Avoid contact with acids.

STORAGE PRECAUTIONS

Keep in original container. Store cool. Protect from light, including direct sunrays.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Well-ventilated area.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Use protective gloves made of: Rubber, neoprene or PVC.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

HYGIENE MEASURES

Promptly remove any clothing that becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, yellowish liquid		
ODOUR	Chlorine.		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	110 760 mm Hg	MELTING POINT (°C)	-17
RELATIVE DENSITY	1.26 20	VAPOUR PRESSURE	17.5 mbar 20
pH-VALUE, CONC. SOLUTION	>13		

10 STABILITY AND REACTIVITY

STABILITY

Unstable, decomposes to form Sodium Chloride and Sodium Chlorate liberating Oxygen.

CONDITIONS TO AVOID

Avoid heat. Avoid contact with strong oxidisers. Avoid direct sunlight.

MATERIALS TO AVOID

Acids, oxidising. Acids, non-oxidising. Acids - organic. Hydrocarbons. Ammonium salts, methanol, copper, nickel, iron, monel metal

HAZARDOUS DECOMPOSITION PRODUCTS

Oxygen. Chlorine.

11 TOXICOLOGICAL INFORMATION

Sodium Hypochlorite 14/15%**INHALATION**

Vapour from this chemical can be hazardous when inhaled.

INGESTION

Corrosive. Even small amounts may cause serious damage. May cause chemical burns in mouth, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury.

SKIN CONTACT

Causes severe burns.

EYE CONTACT

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

Name	SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE
Toxic Dose 1 - LD 50	8910 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION**MOBILITY**

The product is soluble in water.

DEGRADABILITY

The product is slowly degradable.

ACUTE FISH TOXICITY

Toxic to aquatic organisms. Very toxic to fish.

Name	SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE
LC 50, 96 Hrs, FISH mg/l	0.01-0.1
EC 50, 48 Hrs, DAPHNIA, mg/l	0.01-0.1

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Arrange disposal as a special waste by licensed disposal company in consultation with Local Waste Disposal Authority and in accordance with the Control of Pollution Act 1974.

14 TRANSPORT INFORMATION

UK ROAD CLASS	ALKALI		
PROPER SHIPPING NAME	HYPOCHLORITE solution		
ROAD TRANSPORT NOTES	TREM CARD: ZX2		
UN NO. ROAD	1791	ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.	ADR PACK GROUP	II

15 REGULATORY INFORMATION**LABELLING**

Corrosive



Dangerous for the environment

CONTAINS	SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE
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RISK PHRASES

R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R50	Very toxic to aquatic organisms.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

DETERGENT LABELLING

15 - < 30%	Chlorine-based bleaching agents
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UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

16 OTHER INFORMATION

REVISION COMMENTS

Data sheet is in accordance with the CHIP regulations in force on the revision date given below. Revision is due to 29th ATP of the Approved Supply List (CHIP3.1) Includes Detergent Regulation labelling information. Revision is due to REACH regulations; all revisions start again at Rev 0, dated 020409

REVISION DATE 020409

REV. NO./REPL. SDS GENERATED Revision 0

SDS NO. 7516/10737

RISK PHRASES IN FULL

R34	Causes burns.
R31	Contact with acids liberates toxic gas.
R50	Very toxic to aquatic organisms.