

# SAFETY DATA SHEET



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## 1. PRODUCT 14/15% BLEACH (SODIUM HYPOCHLORITE)

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## 2. GENERAL COMPOSITION

Sodium Hypochlorite in aqueous solution, strength range 14-15% as active chlorine. pH 14, s.g. 1.26 (20°C). Sodium Hydroxide (COSHH 2 ppm LTEL 8 hour. TWA and STEL 10 minutes).

## APPLICATION

Sterilisation of toilets, hard surfaces, drains etc. Bleaching materials.

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## 3. HAZARD IDENTIFICATION

Corrosive. Causes burns to the eyes and skin (cpl risk 34).  
Contact with acids liberates a toxic gas (chlorine) (cpl risk 31).  
Strong solutions will dissolve fats in the skin.  
Some surfaces and materials may be damaged, test a small unimportant area.  
Reacts with some light metals, ammonium salts, acetone and formaldehyde.



**CORROSIVE**

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## 4. FIRST AID MEASURES

**Eyes** Immediately irrigate the eyes with plenty of fresh water. Seek medical attention at once.

**Skin** After contact wash off immediately with plenty of water.

**Ingestion** Rinse mouth with fresh water. Give water to drink but do not induce vomiting. Seek medical attention at once.

## 5. FIRE FIGHTING MEASURES

Non flammable but a strong oxidising agent and is a fire risk in contact with organic materials. Extinguish with foam, chemical or water.

ID No 1791 IMCO No 8104 CAS No 7681-52-9 Hazchem Code 2R

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## 6. ACCIDENTAL RELEASE MEASURES

Small spillages should be washed away with water. Larger spillages contain with earth or sand. Wash down site of spillage with water. Do not use organic materials. Do not mix with other waste products. Dispose of in accordance with local authority regulations.

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## 7. HANDLING AND STORAGE

**Handling** Avoid contact with eyes and skin (cpl safety 24/25). Wear plastic or rubber gloves and eyeshields (cpl safety 36). Do not take internally. Do not mix with other cleaners (cpl safety 50). If clothing is wetted remove and wash in fresh water (cpl safety 27).

**Storage** Keep out of reach of children (cpl safety 2). Store upright in a cool place (cpl safety 3).

**Shelf life** 3 months provided cool conditions prevail. The product slowly loses strength at a rate increasing with temperature.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with eyes and skin.

**Eye:** Safety goggles recommended.

**Hand:** Impervious gloves recommended.

**Skin:** Protective overalls and shoes/boots recommended.

**Respiratory:** Non required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES (Not a Specification)

**Appearance** : Straw coloured liquid.  
**Odour** : Characteristic chlorine smell.  
**pH (1% solution)** : 10.5  
**Pour point** : NA  
**Flash point** : NA  
**Explosion Limits** : NA  
**Density @ 20°C** : 1.260  
**Solubility** : Fully water soluble.

## 10. STABILITY AND REACTIVITY

This product is considered stable under normal conditions.

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## 11. TOXICOLOGICAL INFORMATION

Corrosive will cause burns to eyes and skin. Harmful by ingestion.  
LD<sub>50</sub> (Oral; rat) 9000mg/kg.

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## 12. ECOLOGICAL INFORMATION

Do not release into surface waters. Is miscible with water and will percolate through soil. Sodium hypochlorite will decompose gradually to sodium chloride (common salt), sodium chlorate and oxygen. Toxic chlorine gas will be liberated with acidic soils or water.

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## 13. DISPOSAL

When disposing of waste or surplus material avoid contact with eyes and skin. Wear impervious gloves/overalls and safety goggles.  
Do not mix with other waste materials.  
Dispose of in accordance with local authority regulations.

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## 14. TRANSPORT INFORMATION

UN No: 1791  
UK Road: Hazchem Code: 2R  
UN substance identification number: 1791  
Classification: Corrosive Substance  
Packing Group: III

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## 15. REGULATORY INFORMATION

Hazard classification	: Corrosive.	
Hazard symbol	: Corrosive.	
Risk phrases	: R31	Contact with acid liberates a toxic gas.
	: R34	Causes burns to eyes and skin.
Safety phrases	: S2	Keep out of reach of children.
	: S26	In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention immediately.
	: S36	Wear suitable protective clothing.

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## 16. OTHER INFORMATION

The above information is based on the present state of our knowledge and experience of the product at the time of publication. It is given in good faith but no warranty is implied with respect to quality and specification. The user must satisfy himself that the product is entirely suitable for his purpose.

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

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