



## SAFETY DATA SHEET 5L SUPER HYPO 10 BLEACH

According to Regulation (EU) No 453/2010

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name 5L SUPER HYPO 10 BLEACH  
Product No. 800-102-0060  
Container size 2 x 5 litres

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Disinfecting and cleaning.

#### 1.3. Details of the supplier of the safety data sheet

Supplier COVENTRY CHEMICALS LTD  
WOODHAMS RD  
SISKIN DRIVE  
COVENTRY  
CV3 4FX  
Tel: +44 (0) 02476639739  
Fax: +44 (0) 02476639717  
Email: sales@coventrychemicals.com  
Contact Person For content of safety data sheet: sds@coventrychemicals.com

#### 1.4. Emergency telephone number

+44 (0) 1865407333

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/38. N;R50. R31.

#### 2.2. Label elements

Labelling



Irritant



Dangerous for the environment

Risk Phrases

R31 Contact with acids liberates toxic gas.  
R36/38 Irritating to eyes and skin.  
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.  
S37 Wear suitable gloves.  
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.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

# 5L SUPER HYPO 10 BLEACH

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE		5-10%
CAS-No.: 7681-52-9	EC No.: 231-668-3	Registration Number: 01-2119488154-34-XXXX
Classification (EC 1272/2008) EUH031 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) C;R34 R31 N;R50	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information

Provide eyewash station and safety shower.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin contact

Rinse immediately with plenty of water. Remove contaminated clothing. Contact physician if irritation continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

Gas (chlorine), emitted under fire or acidic conditions, is toxic by inhalation.

Ingestion

May irritate the mouth, throat and stomach. May cause stomach pain or vomiting.

Skin contact

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact

Irritating and may cause redness and pain.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment and supportive therapy as indicated.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Foam, carbon dioxide or dry powder.

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire or high temperatures create: Chlorine. Oxides of: Chlorine. Hydrogen chloride (HCl).

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

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

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Stop leak if possible without risk. Flush away small spillages with plenty of water. Large quantities should not be discharged into the drain but removed with absorbing material. Absorb in vermiculite, dry sand or earth and place into containers. Do not use paper or sawdust. Ventilate well. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

## 6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Provide good ventilation. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Avoid contact with acids and other cleaning agents.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Store away from: Acids.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Ingredient Comments

No exposure limits noted for ingredient(s). In case of chlorine emission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 0.5 ppm / 1.5 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation.

#### Respiratory equipment

Respiratory protection not normally required. In case of inadequate ventilation use suitable respirator. Type approved for mists if OES likely to be exceeded. Use respiratory equipment with gas filter, type B.

#### Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended. EN 374

#### Eye protection

Wear approved, tight fitting safety glasses where splashing is probable. EN 166

#### Other Protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Use appropriate skin cream to prevent drying of skin.

#### Environmental Exposure Controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: [www.dti.gov.uk/access/index/htm](http://www.dti.gov.uk/access/index/htm) and [www.envirowise.gov.uk](http://www.envirowise.gov.uk).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green yellow
Odour	Chlorine.
Solubility	Soluble in water.
Initial boiling point and boiling range	
Not applicable.	

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Melting point (°C)	
Not applicable.	
Relative density	1.08 @ 20°C
Bulk Density	
Not applicable.	
Vapour density (air=1)	
Not determined.	
Vapour pressure	
Not determined.	
Evaporation rate	
Not determined.	
Evaporation Factor	
Not applicable.	
pH-Value, Conc. Solution	12.3
Viscosity	
Not determined.	
Solubility Value (G/100G H <sub>2</sub> O@20°C)	
Not applicable.	
Decomposition temperature (°C)	
Not applicable.	
Odour Threshold, Lower	
Not applicable.	
Odour Threshold, Upper	
Not applicable.	
Flash point	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Explosive properties	
Not applicable	
Oxidising properties	
Not applicable.	
Comments	Information given concerns the concentrated solution.

## **9.2. Other information**

Not relevant

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

Reactive substance that can react with many inorganic and organic compounds

### **10.2. Chemical stability**

Decomposes over time. Factors that increase the rate of decomposition: increase in temperature, certain metallic impurities, high initial concentration, fall in pH below 11 and exposure to light.

### **10.3. Possibility of hazardous reactions**

Contact with acids liberates toxic chlorine gas.

### **10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

### **10.5. Incompatible materials**

Materials To Avoid

Acids. Ammonium compounds. Organic materials. Metals, particularly copper, nickel and iron.

### **10.6. Hazardous decomposition products**

Chlorine. Hydrogen chloride (HCl). Chlorine oxides.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Toxicological information

Data from sodium hypochlorite solution 15% shows low acute oral toxicity. LC<sub>50</sub>(rat, oral) 1100 mg/kg (as available chlorine). Low acute inhalation toxicity. LC<sub>50</sub>(rat 1hr) >10500mg/m<sup>3</sup> as available chlorine). Very low acute dermal toxicity. LC<sub>50</sub>(rat, dermal) .2000 mg/kg.

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## Other Health Effects

This substance has no evidence of carcinogenic properties.

## Respiratory or skin sensitisation:

Not Sensitising.

## General information

This product has low toxicity.

## Inhalation

Gas or vapour may irritate respiratory system.

## Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

## Skin contact

Prolonged and frequent contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

## Eye contact

Irritating and may cause redness and pain. Spray and vapour in the eyes may cause irritation and smarting.

## Health Warnings

Gas (chlorine), emitted under fire or acidic conditions, is toxic by inhalation.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### **12.1. Toxicity**

#### Acute Fish Toxicity

Very toxic to aquatic organisms.

### **12.2. Persistence and degradability**

#### Degradability

This product contains inorganic compounds which are not biodegradable. Reacts with organic substances in soil and sediments and degrades rapidly to chloride salts. Substantially removed in biological treatment processes.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

No data available on bioaccumulation. Low potential for bioaccumulation.

### **12.4. Mobility in soil**

#### Mobility:

The product is water soluble and may spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

There is evidence that sodium hypochlorite inhibits the aerobic treatment process at a concentration of 0.05mg/l.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Do not discharge into drains, water courses or onto the ground.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Packaging is recyclable. Wash out containers with water before disposal.

## SECTION 14: TRANSPORT INFORMATION

# 5L SUPER HYPO 10 BLEACH

## 14.1. UN number

UN No. (ADR/RID/ADN)	1719
UN No. (IMDG)	1719
UN No. (ICAO)	1719

## 14.2. UN proper shipping name

Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE)
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## 14.3. Transport hazard class(es)

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
Transport Labels	



## 14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



## 14.6. Special precautions for user

IMDG Code Segregation Group	8.Hypochlorites
EMS	F-A, S-B
Emergency Action Code	2R
Hazard No. (ADR)	80
Tunnel Restriction Code	(E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

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## Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

### **15.2. Chemical Safety Assessment**

A Chemical Safety Assessment (CSA) has been completed for Sodium hypochlorite. Currently we do not have information from our suppliers about this.

## **SECTION 16: OTHER INFORMATION**

### Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 06/06/2012

Revision 1

### Risk Phrases In Full

R34 Causes burns.  
R31 Contact with acids liberates toxic gas.  
R36/38 Irritating to eyes and skin.  
R50 Very toxic to aquatic organisms.

### Hazard Statements In Full

H319 Causes serious eye irritation.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
EUH031 Contact with acids liberates toxic gas.  
H400 Very toxic to aquatic life.

### Disclaimer

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 a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.