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

1.1. Product identifier

Product name 5L SUPER THICKENED BLEACH
Product No. 800-116-0027
Container size 4 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


2.2. Label elements

Labelling

Irritant

Risk Phrases

R31 Contact with acids liberates toxic gas.

R36 Irritating to eyes.

Safety Phrases

S2 Keep out of the reach of children.
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.
S28 After contact with skin, wash immediately with plenty of water.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**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.**
Vapour containing chlorine may irritate the nose, throat and lungs.

**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

No specific first aid measures noted.

## 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
5L SUPER THICKENED BLEACH

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

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

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

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>WEL</td>
<td></td>
<td>2 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
In case of chlorine emmission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 0.5 ppm / 1.5 mg/m3

8.2. Exposure controls

Protective equipment

Engineering measures
Provide adequate ventilation.
Respiratory equipment
Respiratory protection not required.
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
5L SUPER THICKENED BLEACH

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 and www.envirowise.gov.uk.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance Viscous liquid.
Colour Straw.
Solubility Soluble in water.
Initial boiling point and boiling range
Not applicable.
Melting point (°C)
Not applicable.
Relative density 1.070 @ 20°C
Bulk Density
Not applicable.
Vapour density (air=1)
Not determined.
Vapour pressure
Not determined.
Evaporation rate
Not determined.
Evaporation Factor
Not applicable.
P pH-Value, Conc. Solution 13.0
Viscosity
Not determined.
Solubility Value (G/100G H2O@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

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxicological information
Data from sodium hypochlorite solution 15% shows low acute oral toxicity. LC50(rat, oral) 1100 mg/kg (as available chlorine). Low acute inhalation toxicity. LC50(rat 1hr) >10500mg/m3 as available chlorine). Very low acute dermal toxicity. LC50(rat, dermal) .2000 mg/kg.

Other Health Effects
This substance has no evidence of carcinogenic properties.

Respiratory or skin sensitisation:
Not Sensitising.

General information
This product has low toxicity. Only large volumes may have adverse impact on human health.

Ingestion
May irritate and cause stomach pain, vomiting and diarrhoea.

Skin contact
Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye contact
May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Not regarded as dangerous for the environment. The product is classified using the test data for the AISE model bleach product. Ref: International Association for Soaps, Detergents and Maintenance Products publication "Environmental classification of sodium hypochlorite containing bleach products". The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

12.1. Toxicity
Acute Fish Toxicity
Not considered toxic to fish.
EC 50, 48 Hrs, Daphnia, mg/l > 1 mg/l

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. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in 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 a detergent manufacturer.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation. Low potential for bioaccumulation.

12.4. Mobility in soil
5L SUPER THICKENED BLEACH

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

Road Transport Notes Not Classified
Rail Transport Notes Not classified.
Sea Transport Notes Not classified.
Air Transport Notes Not classified.

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

14.4. Packing group
Not applicable.

14.5. Environmental hazards

14.6. Special precautions for user
Not applicable.

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
Statutory Instruments
Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).
EU Legislation
National Regulations
Control of Substances Hazardous to Health Regulations 2002 (as amended)

15.2. Chemical Safety Assessment
## 5L SUPER THICKENED BLEACH

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

### SECTION 18: OTHER INFORMATION

<table>
<thead>
<tr>
<th>Risk Phrases In Full</th>
<th>Hazard Statements In Full</th>
</tr>
</thead>
<tbody>
<tr>
<td>R34 Causes burns.</td>
<td>H318 Causes serious eye damage.</td>
</tr>
<tr>
<td>R35 Causes severe burns.</td>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td>R31 Contact with acids liberates toxic gas.</td>
<td>H314 Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>R36 Irritating to eyes.</td>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td>R38 Irritating to skin.</td>
<td>EUH031 Contact with acids liberates toxic gas.</td>
</tr>
<tr>
<td>R41 Risk of serious damage to eyes.</td>
<td>H400 Very toxic to aquatic life.</td>
</tr>
<tr>
<td>R50 Very toxic to aquatic organisms.</td>
<td></td>
</tr>
</tbody>
</table>

### 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 any 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.