

# SAFETY DATA SHEET

## LEMON BLEACH : SANITISER AND DETERGENT

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**Product Name** LEMON BLEACH  
**Product Code** 131  
**Product Use** Chlorine sanitiser, disinfectant , bleaching agent.  
**Company Name** Byre Chemicals  
**Address** 3/43 Byre Avenue  
 Somerton Park SA 5044  
**Telephone** 08 8350 9228  
**Fax** 08 8350 9334  
**Emergency phone no.** 0412 426 697  
**Email** [info@byrechemicals.com.au](mailto:info@byrechemicals.com.au)

### 2. HAZARDS IDENTIFICATION

**GHS Classification** H302 Harmful if swallowed Category 4  
 H315 Causes skin irritation Category 2  
 H318 Causes serious eye irritation Category 2A  
**Signal Word** DANGER  
**Hazard Statement** Harmful if swallowed  
 Undiluted product can cause severe burns and eye damage  
**Precautionary Statement**  
 Do not mix with acids. Will liberate toxic chlorine gas.  
 Avoid contact with skin and eyes  
 Wear eye protection and rubber gloves  
 Avoid inhaling mists  
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.  
 Splashes on skin to be washed off immediately  
 If splashed into eyes , remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.  
 Keep containers tightly closed and store in a lock-up facility.

**Pictograms**



### 3. COMPOSITION /INFORMATION ON INGREDIENTS

| INGREDIENTS              | CAS.NO.   | PROPORTION             |
|--------------------------|-----------|------------------------|
| Sodium Hypochlorite Soln | 7681-52-9 | 4 % available Chlorine |
| Water                    |           | Balance                |

**BYRE CHEMICALS**

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### **4. FIRST-AID MEASURES**

|                         |   |
|-------------------------|---|
| <b>INHALATION</b>       | <i>Avoid generating mists. Remove casualty from contaminated area</i>   |
| <b>INGESTION</b>        | <i>If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.</i>                            |
| <b>SKIN</b>             | <i>If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.</i> |
| <b>EYE</b>              | <i>If in eyes, hold eyelids apart and flood the eye continuously with water for at least 10 minutes. Seek medical attention</i>   |
| <b>FIRST AID</b>        | <i>Eye wash. Safety shower , hand wash basin</i>  |
| <b>ADVICE TO DOCTOR</b> | <i>Treat symptomatically</i>  |

### **5. FIREFIGHTING MEASURES**

|                                   |   |
|-----------------------------------|---|
| <b>Extinguishing Media</b>        | <i>Carbon dioxide, or foam</i>  |
| <b>Hazards from Combustion</b>    | <i>Material won't burn but will emit carbon dioxide including toxic fumes of chlorine gas.<br/>Contact with some metals including aluminium and zinc will liberate flammable hydrogen gas</i> |
| <b>Precaution for Firefighter</b> | <i>Wear chemical suit. Prevent run off from entering drains and waterways</i>   |

### **6. ACCIDENTAL RELEASE MEASURES**

#### **EMERGENCY PROCEDURE**

*Evacuate all unauthorised personnel. Do not breathe fumes or handle damaged containers  
For small spills hose down area. For large spills absorb onto an inert material such as dirt or sand.  
The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.*

### **7. HANDLING AND STORAGE**

#### **PRECAUTIONS FOR SAFE HANDLING**

*Wear appropriate protective clothing  
Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use.  
Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities*

#### **CONDITIONS FOR SAFE STORAGE**

*Corrosive liquid . Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents , strong acids, peroxides, foodstuffs and clothing. Large quantities should be stored in a bunded dangerous goods store. Prevent contact with aluminium, tin, zinc or galvanised iron .Store in original containers*

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

|                                   |   |
|-----------------------------------|---|
| <b>Exposure Limits</b>            | <i>LC50 Chlorine 293 ppm/hour (Rat)<br/>LcLo Chlorine 2530mgm/m3/30 minutes human<br/>Chlorine TWA 1ppm 3mgm/m3 Peak limitation</i> |
| <b>Engineering Controls</b>       | <i>This substance is hazardous. Ensure adequate ventilation to maintain air concentration below exposure standards</i>              |
| <b>Eye Protection</b>             | <i>Safety glasses with side shields should be used.</i>   |
| <b>Hand Protection</b>            | <i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>  |
| <b>Hygiene Measures</b>           | <i>Avoid contact with skin, eyes and clothing<br/>Wash hands after handling product.<br/>Keep away from foodstuffs.</i>             |
| <b>Skin &amp; Body Protection</b> | <i>Wear rubber apron</i>  |

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                     |                              |
|---------------------|------------------------------|
| Appearance          | Clear pale yellow liquid     |
| Odour               | Slight chlorine              |
| pH                  | Above 13                     |
| Boiling Point       | Above 100C                   |
| Vapour Pressure     | Not Applicable               |
| Flash Point         | None                         |
| Specific Gravity    | 1.06                         |
| Solubility in Water | Miscible in all proportions. |

### 10. STABILITY AND REACTIVITY

|                          |  |
|--------------------------|--|
| Chemical Stability       | Stable under normal conditions of storage and handling. Strength of chlorine diminishes with time. |
| Conditions to avoid      | Excess heat, exposure to air and light.  |
| Incompatible materials   | Acids, strong oxidising agents.  |
| Hazardous polymerization | Will not occur   |

### 11. TOXICOLOGICAL INFORMATION

|                 |  |
|-----------------|--|
| Acute toxicity  | LC50 ( Rat ) 293 ppm / hour<br>LcLo 2530 mgm/m3/30 mins.   |
| Ingestion       | LD50 2 mgm/m3 Sodium Hydroxide<br>Corrosive. Harmful if swallowed. Will cause burns to mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring |
| Eyes            | Corrosive. Causes severe burns which can result in permanent injury or blindness   |
| Skin            | Causes severe irritation and if untreated burns  |
| Carcinogenic    | No evidence of carcinogenic properties   |
| Chronic Effects | Repeated or prolonged skin contact may cause chronic dermatitis.   |

### 12. ECOLOGICAL INFORMATION

|                           |   |
|---------------------------|---|
| Ecotoxicity               | Acute aquatic toxicity                          |
| Persistence/Degradability | Biodegradable                                   |
| Mobility                  | Soluble in water                                |
| Bioaccumulative Potential | No data available                               |
| Environmental             | Do not discharge into drains, sewers, waterways |

### 13. DISPOSAL CONSIDERATIONS

|                   |   |
|-------------------|---|
| Spills & Disposal | Disposal of small spillages only. For large spillages liquids should be contained using sand or earth and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition. |
| Disposal          | Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State   |

**LEMON BLEACH : SANITISER AND DETERGENT****14. TRANSPORT INFORMATION**

|                              |   |
|------------------------------|---|
| <i>Transport Information</i> | <i>This material is not classified as Dangerous Goods</i> |
| <i>Proper Shipping Name</i>  | <i>Non assigned</i>                                       |
| <i>UN.NO.</i>                | <i>Non assigned</i>                                       |
| <i>Packaging Group</i>       | <i>Non assigned</i>                                       |
| <i>Hazchem Code</i>          | <i>Non assigned</i>                                       |
| <i>DG Class</i>              | <i>Non assigned</i>                                       |

**15. REGULATORY INFORMATION**

|                               |  |
|-------------------------------|--|
| <i>Regulatory Information</i> | <i>Classified as hazardous according to criteria of NOHSC<br/>Poisons Schedule S5</i>  |
| <i>Hazard Category</i>        | <i>Irritant to skin</i>  |
| <i>Risk Statement</i>         | <i>Undiluted product can cause severe burns.</i>   |
| <i>Safety Statement</i>       | <i>Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.</i> |

**16. OTHER INFORMATION**

|                           |  |
|---------------------------|--|
| <i>Preparer Signature</i> | <i>Technical Director</i>  |
| <i>Contact</i>            | <i>Telephone: 08 8350 9228<br/>24 hour emergency number 0412 426 697</i> |

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