

# LAUNDRY BLEACH

## 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **LAUNDRY BLEACH**

Other Names: Hypochlorite Solution

Manufacturer's Product Code:

Product Use: Cleaner, whitener and sanitiser for cleaning baths, basins and toilets.

### COMPANY DETAILS

Company: Agar Cleaning Systems Pty. Ltd.

Address: 12-14 Cope Street, Preston, Vic. 3072

Telephone: 03 9480 3000 Facsimile: 03 9480 5100

Web: [www.agar.com.au](http://www.agar.com.au)

Agar SDS are available from this website.

E-mail: [sales@agar.com.au](mailto:sales@agar.com.au)Emergency Telephone Number: **131 126** (Aust wide)

## 2 HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC.  
**Corrosive C.****R31** Contact with acids liberates toxic gas.**R34** Causes burns.**S1/2** Keep locked up and out of the reach of children.**S28** After contact with skin, wash immediately with plenty of soap-suds.**S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).**S50** Do not mix with acids.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Ingredients:

Chemical Entity:	CAS No.:	Proportion:
sodium hypochlorite	7681-52-9	10 - < 30%
sodium chloride	7647-14-5	< 10%
water	7732-18-5	> 60%

## 4 FIRST AID MEASURES

**Poisons Information Centre: Phone 131 126**

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay.

Skin: Remove any contaminated clothing and shoes and flush area immediately with water and soap if available. Seek medical attention in the event of irritation.

Inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation at once. Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device – Administer oxygen if breathing is difficult. In the event of cardiac arrest, apply external cardiac massage. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible. Transport to doctor or hospital.

Advice to Doctor: Treat symptomatically as for strong alkaline material.

## 5 FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Laundry Bleach is not combustible. No risk of hazardous polymerisation. Fire or heat will produce irritating, poisonous and/or corrosive gases.

Fire extinguishing media: Small fire : Use dry chemical, CO<sub>2</sub> or water spray.Large fire : Use dry chemical, CO<sub>2</sub>, foam or water spray – Do not use water jets.

Fire Fighters' PPE: Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

Special fire-fighting procedures: None.

Unusual fire hazards: A mixture with acids or heating can produce toxic chlorine gas.

Hazardous products of combustion: Thermal decomposition in a large fire may yield toxic fumes. Hydrogen chloride may be produced.

## 6 ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources (no smoking, flares, sparks or flames) within at least 50 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimize spreading or contact with rain. DO NOT GET WATER INSIDE CONTAINERS. Place in a suitable, labelled container for waste disposal.

Please turn to page 2.

# LAUNDRY BLEACH

## 7 HANDLING AND STORAGE

Safety: Keep out of reach of children. Do not mix with other chemicals, fuels or solvents.

Risk: Contact with acids liberates toxic gas. Corrosive.

Storage and Transport: Store in a cool, dry place that is well-ventilated and away from foodstuff containers. Direct sunlight should be avoided.

Incompatibility (Materials to avoid for purposes of transport, handling and storage only): Avoid storage with acids, oxidising agents, reducing agents, metals and metallic salts. Class 8 Corrosives shall not be loaded with other Dangerous Goods of Classes 1, 4.3, 5.1, 5.2, 7 or 8 (acids only) or with foodstuffs.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: None assigned for mixture.

Atmospheric Contaminant Exposure Standard for:  
chlorine: CAS No.7782-50-5 TWA = 1ppm (3 mg/cu.m)  
STEL= Peak limitation same as  
TWA

[Source: Worksafe Australia NOHSC:1003(1995)]

Engineering Controls: Mechanical Ventilation: Not required under normal conditions, but local exhaust ventilation should be used to control any air contaminants to within the Exposure Standards.

Personal Protection:

Gloves - Wear rubber, neoprene or nitrile gloves.

Note: Resistance of glove materials can vary. Evaluate resistance under conditions of use and maintain PPE carefully.

Eye-protection - Safety glasses should be worn.

Respiratory - If inhalation risk exists, a suitable cartridge type Respirator should be worn.

Other - Protective overalls are desirable. An eyewash unit should be available. Always work in a well ventilated area.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale green liquid

Odour: Faint chlorine odour

pH = 11 - 12

Vapour Pressure: N/K

Vapour Density: N/K

Boiling Point : Decomp

Freezing Point: < 0°C

Solubility in water: Complete

Specific Gravity : 1.1 – 1.2

Evaporation rate: As water

% Volatile by vol: 85 – 95%

## 10 STABILITY AND REACTIVITY

Stability: Stable. However, heat, light, contamination with acids or contact with metal surfaces may promote the formation of toxic chlorine gas.

Laundry Bleach is corrosive to aluminium, zinc and tin. It can burn holes in clothes and cotton mops

Hazardous polymerization: Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Health Effects: *Acute*

Swallowed: Irritating to the gastro-intestinal tract; may cause nausea and vomiting.

Eye: Eye contact may result in burns that could be permanent.

Skin: Principal route of exposure is usually by skin contact.

Repeated or prolonged skin contact may cause swelling, redness, blistering or dermatitis. Laundry Bleach acts as a skin sensitiser and may burn sensitive skin. It is not absorbed through the skin.

Inhaled: Can result in coughing and respiratory difficulty. The vapour if concentrated may irritate the lungs. If reaction occurs to liberate chlorine (such as accidental admixture with acids), self-contained or air-supplied breathing apparatus will be required.

Health Effects - *Chronic*: none known.

Toxicity data: No chronic effects known to occur as material is inactivated by tissue and blood serum.

## 12 ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: Biodegradable.

Mobility: -

Advice: Avoid contaminating waterways

## 13 DISPOSAL CONSIDERATIONS

For disposal, refer to State Land Waste Management authority.

## 14 TRANSPORT INFORMATION

UN No.: 1791 | Class: 8 | Packg.Group: III | Hazchem: 2X

## 15 REGULATORY INFORMATION

Poisons Schedule Number: Schedule 5.

Please turn to page 3.

**LAUNDRY BLEACH****16 OTHER INFORMATION**

**AICS Listing:** All components of Laundry Bleach are listed on the Australian Inventory of Chemical Substances (AICS).

Date: This SDS issued: April 22, 2009

Abbreviations: N/K = Not Known

TWA = Time Weighted average

STEL = Short term exposure limit

CAS = Chemical Abstracts Service

N/A = Not applicable

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Agar Cleaning Systems accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

End of SDS.