



Material Safety Data Sheet

BLEACH

1. Identification of the material and supplier

PRODUCT NAME: BLEACH
OTHER NAMES: Sodium Hypochlorite 3%
RECOMMENDED USE: Liquid Laundry Bleach

COMPANY: Cleveland Cleaning Supplies Pty Limited
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Australia

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EMERGENCY TELEPHONE: 000
POISONS INFORMATION CENTRE PHONE: 13 11 26 (24 hrs)
FOR EMERGENCY RESPONSE: 000

2. Hazards identification

NOT DANGEROUS GOODS NON-HAZARDOUS SUBSTANCE

RISK PHASES R31 Contact with acids liberates toxic gas.

SAFETY PHASES S1/2 Keep locked up and out of reach of children
S28 After contact with skin, wash immediately with plenty of water.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S50 Do not mix with other chemicals or other types of chlorinating substances.

3. Composition/ information on ingredients

NAME	CAS	PROPORTION
SODIUM HYPOCHLORITE	7681-52-9	<5%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC / ASCC and ADG code (respectively) at the levels used in this product.

WATER	7732-18-5	>90%
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4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre Phone Australia 13 1126 or a doctor.

EYE Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention immediately.

SKIN If skin or hair contact occurs, remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water for at least 15 minutes, by the clock. If irritation persists, repeat flushing. Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use, or discard.

INHALED If symptoms are experienced, such as cough, dry throat, difficulty in breathing, nasal congestion and headaches or dizziness remove source of contamination or move victim to fresh air. Obtain medical attention immediately.

FIRST AID FACILITIES Ensure eyewash and safety shower facilities are available in workplace.



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Additional information / Aggravated medical conditions

No known effect

5. Fire fighting measures

Suitable extinguishing media

NON FLAMMABLE

May generate toxic gas when heated in a fire.

Large fire

-Use water spray and fog

-Fight fire from protected position or use unmanned hose holders or monitor nozzles.

-If safe to do so, move undamaged containers from fire area – Do not approach hot containers

-Cool containers with water before handling

-If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

Special protective precautions and equipment for fire fighters

Wear SCBA and protective gloves. Structural fire-fighters uniform provides limited protection. If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE

2X

6. Accidental release measures

Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Ventilate the area. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice. Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY

Avoid storage with Acids or other chemicals. Toxic chlorine gas may be emitted when mixed with acids. Corrosive to soft metals such as aluminium and zinc. Do NOT store or transport in unlined metal containers.

Incompatible with acids, oxidising substances and substances containing nitrogen

STORAGE REQUIREMENTS

Keep out of reach of children

Keep locked up

Store in a cool, dry, well ventilated area in an upright position out of direct sunlight

Store away from incompatible materials.

Avoid storage at temperatures higher than 30°C

Protect containers against physical damage and check regularly for leaks

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS

No exposure standards have been established for this material. Exposure standards recommended by Worksafe Australia for some ingredients are as follows:

	TWA (TIME WEIGHED AVERAGE)	
	mg/m ³	ppm
CHLORINE	3	1

ENGINEERING CONTROLS

Use in well ventilated areas.



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PERSONAL PROTECTION
RESPIRATOR TYPE Where ventilation is not adequate, respiratory protection may be required. An approved dust particle half mask should be used. Respiratory protection should comply with AS/NZS 1715.

EYE PROTECTION Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.

GLOVE TYPE Neoprene chemical resistant gloves provide adequate protection.
CLOTHING Wear protective plastic or PVC apron to prevent contact with clothing.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

APPEARANCE Colour varies from colourless to pale green to light yellow
ODOUR Mild Chlorine
PH 12-13
VAPOUR PRESSURE Not Determined
VAPOUR DENSITY Not Determined
BOILING POINT Approximately 100°C (for liquid concentrate) Decomposes
BOILINGRANGE n/a
MELTING POINT n/a
SOLUBILITY IN WATER Miscible
SPECIFIC GRAVITY 1.055 (for liquid concentrate) water = 1.000
FLASH POINT Non Flammable
FLAMMABILITY LIMITS n/a

10. Stability and reactivity

Stable under normal conditions of storage and use
May emit acrid, poisonous or corrosive fumes if mixed with acids.
On combustion, may emit toxic fumes of hydrogen chloride

11. Toxicological information

Health effects from acute exposure

SWALLOWED Corrosive. Can cause damage to throat, lungs and stomach.

EYE Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately

SKIN Irritating to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.

INHALED Can be irritating to the nose, throat and upper respiratory tract.

Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.

Carcinogenicity No known effect
Mutagenicity No known effect
Teratogenicity No known effect

12. Ecological information

No Data

13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

14. Transport information



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TRANSPORTATION

UN CLASS	none allocated
PROPER SHIPPING NAME	none allocated
DG CLASS	none allocated
SUBSIDIARY RISK	none allocated
PACKAGING GROUP	none allocated
RECOMMENDED USE	Liquid Laundry Bleach

15 Regulatory information

POISONS SCHEDULE	none allocated
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16. Other information

Produced by: Cleveland Cleaning Supplies Pty Limited, ABN: 61 001 175 748

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END OF REPORT
