



Telephone: +618 9370 4829 Facsimile: +618 9375 3350
Unit 3, 237 Collier Road, Bayswater, Western Australia 6053
www.apluschemicals.com

Rimon Australia Pty Ltd trading as A Plus Chemical & Fragrances A.C.N. 079 942 537

MATERIAL SAFETY DATA SHEET

SECTION 1. Identification of the Material and Supplier

Product Name: Bleach 4%
Other Names: Sodium Hypochlorite 4%
Recommended Use: Bleaching Agent
Supplier Name: A Plus Chemicals and Fragrances
Telephone: 9370 4829
Fax: 9375 3350
Emergency Tel No: 0410 302 200

SECTION 2. Hazard Identification:

NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA.

NOT CLASSIFIED AS A DANGEROUS GOOD

Risk Phrases: R31 contact with acids liberates toxic gas R36/38 Irritating to eyes

Safety Phrases: S1/2 Keep locked up and out of reach of children S24/25 Avoid contact with skin & eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poison Information Centre. S27 Take off immediately all contaminated clothing. S28 After contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S50 Do not mix with acids, peroxides, metal salts and reducing agents.

SECTION 3. Composition/ Information on Ingredients:

Ingredient	CAS Number	Proportion
Sodium Hypochlorite	7681-52-9	< 5%
Water	7732-18-5	> 90%

SECTION 4. First Aid Measures:**Swallowed:**

- Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing
- DO NOT induce vomiting
- Rinse out mouth thoroughly with water immediately, then provide liquid slowly, and as much as casualty can comfortably drink
- Seek medical advice

Eyes:

- Immediately irrigate with copious amounts of water for at least 15 minutes
- Eyelids to be held open
- Seek medical attention without delay if pain or irritation persists.

Skin:

- Wash skin thoroughly with water
- Remove contaminated clothing and wash before re-use
- Seek medical advice if irritation or redness develops.

Inhalation:

- Remove victim to fresh air away from exposure
- Seek medical attention.

Advice to Doctor:

- Treat symptomatically as for strong alkalis.
- Do not use acid antidotes. Can cause corneal burns.

SECTION 5. Fire Fighting Measures:

Extinguishing Media:

- Not combustible, however, if material is involved in a fire use: Water Fog (or if unavailable fine water mist or spray), Foam, dry agent (carbon dioxide, dry chemical powder).

Fire Fighting

- Decomposes on heating emitting toxic fumes
- Wear breathing apparatus and suitable protective clothing
- Evacuate the area – move up wind of fire

Fire and Explosion Hazard

- Non combustible
- Not a fire risk

SECTION 6. Accidental Release Measures:

Spills

- Slippery when spilt
- Clean up spills immediately
- Contain, prevent run off into drains and waterways. Absorb spills with sand, earth or inert materials
- Place in a suitable, labelled container for waste disposal
- Personal protective equipment advice is listed in Section 8

SECTION 7. Handling and Storage:

Handling

- Use in a well ventilated area, avoid breathing in vapour, mists and aerosols
- Keep out of reach of children
- Avoid skin and eye contact
- DO NOT eat, drink or smoke when handling
- Always wash hands with water after handling.

Storage Incompatibility

- Materials react violently with sodium hypochlorite and should not be stored in the same area.

Storage Requirements

- Store in original containers
- Keep containers securely sealed

SECTION 7. Handling and Storage Continued:

- **Store in a cool, dry well ventilated area, away from direct sunlight and incompatible materials and foodstuffs**
- **This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.**

SECTION 8. Exposure Controls & Personal Protection:

Exposure:

- No value listed for this specific material by the National Occupational Health and Safety Commission. Exposure Standards for the decomposition products Chlorine Peak Limitation is 3mg/mg³

Engineering Control Measures

- Ensure ventilation is adequate and that air concentrations are below the quoted Exposure Standards.
- If inhalation risk exists use a local exhaust ventilation or wear an air supplied respirator

Personal Protective Equipment:

Eye

- Use of safety glasses with side shield. A face shield may also be necessary.

Skin

- Wear elbow length impervious gloves, coveralls, boots and/or other resistant protective clothing. Have a safety shower and eye wash fountain in the immediate work area.

Respirator

- If engineering controls are not effective in controlling exposure, wear suitable personal protective equipment including an air supplied respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716

SECTION 9. Physical and Chemical Properties:

Physical State – Mobile Liquid

Odour – Slight Chlorine

Colour – Pale yellow

Melting Point (°C): N/A

Flammability Limits (%) – Not Applicable

Flash Point: Not Applicable

SECTION 9. Physical and Chemical Properties (Continued):

Decomposition Point: Not Available

Volatile Component: Not Available

Water Solubility - Miscible in water

Specific Gravity - Approx 1.10

pH - 12.5

SECTION 10. Stability and Reactivity:

Stability

- Incompatible with acids, metals, metal salts, peroxides and reducing agents

Reactivity

- Corrosive to aluminium, zinc and tin, liberating hydrogen gas
- Absorbs carbon dioxide from the air
- Reacts exothermically on dilution with water

SECTION 11. Toxicological Information:

ACUTE HEALTH EFFECTS

Swallowed:

- Ingestion may result in nausea, abdominal irritation, pain, vomiting and chemical burns to the gastrointestinal tract

Eye:

- A severe eye irritant. Corrosive to eyes, contact can cause corneal burns, ulceration and permanent damage may occur.

Skin:

- Contact with skin will result in severe irritation. Corrosive to skin and may cause skin burns. Burns are not immediately painful; onset of pain may take minutes to hours.

Inhaled:

- Breathing in mists and aerosols may produce respiratory irritation.

CHRONIC HEALTH EFFECTS

- Principal routes of exposure are by accidental skin or eye contact
- Prolonged or repeated skin contact may have a corrosive effect on human tissue

SECTION 12. Ecological Information:

Avoid contaminating waterways

SECTION 13. Disposal Considerations:

- Consult State Land Waste Management Authority for disposal.
- Dispose of material through a licensed waste contractor

SECTION 14. Transport Information:

Hazchem: Not Applicable

Dangerous Goods Class: Not Applicable

UN Number: Not Applicable

Subsidiary Risk: Not Applicable

SECTION 15. Regulatory Information:

Poisonous schedule: Schedule 5

SECTION 16. Other Information:

NOTE: The information contained in this bulletin is offered on data that we believe to be reliable and has been prepared in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control.

Poisons Information Centre all states: 131 126

KEEP ALL CHEMICALS AWAY FROM CHILDREN

**EMERGENCY CONTACT: Israel Sasson
A Plus Chemicals & Fragrances
A/h 0410 302 200**