

SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

Hammersley Products (Aust) Pty Ltd ACN 001 621 281

14 Sandpiper Close Kooragang, NSW 2304

Phone: (02)4928 2955 Fax: (02)4928 2405



Trade Name: LIQUID CHLORINE BLEACH
(Sodium Hypochlorite Solution)

Product Code: None

Product Use: Bleach - Sanitiser

Revision Date: May 2024

Expiry date: May 2029

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as a HAZARDOUS SUBSTANCE in accordance with the GHS. It is classified as a DANGEROUS GOOD by the ADG code.

Classification of the substance or mixture:

Skin Corrosion - Category 1B

Eye Damage – Category 1

Acute Aquatic Toxicity – Category 1

Signal Word: Danger



Hazard Statements:

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic organisms

AUH031 Contact with acids liberates toxic gas

Precautionary Statements:

Prevention

P260 Do not breathe mist/vapour spray

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

P273 Avoid release to the environment

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash all contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P310 Immediately call a Poison Centre or doctor.

P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P405 Store locked up

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SUSDP Classification: Schedule 5 - CAUTION
ADG Classification: 8 CORROSIVE
UN Number: 1791 HYPOCHLORITE SOLUTION

Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No | Conc, % |
|---------------------|-----------|--------------------------|
| Sodium Hypochlorite | 7681-52-9 | 10 to 15% (available Cl) |
| Sodium Hydroxide | 1310-73-2 | <1% |
| Water | 7732-18-5 | to 100% |

Section 4 - First Aid Measures

| | |
|-------------------------------|--|
| Eye Contact | Hold eyelids apart and flush the eye continuously with running water for at least 15 minutes or until advised by a Poisons Information Centre or doctor. Seek medical attention. |
| Skin Contact | Remove contaminated clothing and wash skin thoroughly with water for at least 15 minutes or until advised by a Poisons Information Centre or doctor. Seek medical advice. |
| Inhalation | Remove patient to fresh air avoid becoming a casualty. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention. |
| If Swallowed | Do NOT induce vomiting. Rinse mouth with water and give water to drink. Seek medical attention. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor. |
| Advice to Doctor | Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result. |
| Additional Information | - |

Section 5 - Fire Fighting Measures

Suitable Extinguishing Equipment

Non- combustible. If involved in a fire, appropriate extinguishing media include fine water spray, dry extinguishing media, foam and carbon dioxide

Special Protective Equipment and Precautions for Fire Fighters

When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

Specific hazards arising from the chemical:

Decomposes on heating emitting toxic and/or irritating fumes including chlorine gas.

Hazchem Code: 2X

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so.

Methods and Materials for containment and cleaning up

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Contain spill with absorbent material, such as sand, vermiculite or other inert material. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Environmental precautions

Prevent spill entering sewers or waterways. If contamination of sewers or waterways has occurred notify local emergency services.

Section 7 - Handling and Storage

Precautions for Safe Handling

Avoid skin and eye contact and avoid breathing in vapour, mists or aerosols. An eye bath and safety shower is recommended. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Do not mix with acids.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Store away from incompatible materials listed in section 10 including acids, combustible materials and sources of ignition. Protect from direct sunlight.

Store in original packaging as approved by manufacturer.

Section 8 - Exposure Controls and Personal Protection

No exposure limits available for this material, however values available for constituents;

| ASCC Exposure Limits | TWA (mg/m ³) | STEL (mg/m ³) |
|----------------------|--------------------------|---------------------------|
| Chlorine | 3 (Peak limitation) | - |
| Sodium hydroxide | 2 (Peak limitation) | - |

Peak limitation - A maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes

Gloves and safety glasses are recommended to avoid skin and eye contact. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Use in a well-ventilated area. This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels.

Personal Protective Equipment

RESPIRATOR: Wear an approved respirator where vapours are generated and engineering controls are inadequate.

EYES: Safety glasses or splash goggles to prevent splashing in the eyes.

HANDS: Wear chemical resistant gloves.

CLOTHING: Chemical resistant coveralls and safety footwear.

Section 9 - Physical and Chemical Properties:

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|--------------------------------|--------------------|--------------------------------------|--------------|
| Physical Description: | Pale yellow liquid | Water Solubility: | Miscible |
| Odour: | Chlorine | pH: | 12.5 (1%w/w) |
| Boiling Point: | No data | Flash Pt. | No data |
| Freezing/Melting Point: | No data | Volatility: | No data |
| Volatiles: | No data | Odour Threshold: | No data |
| Vapour Pressure: | No data. | Evaporation Rate: | No data |
| Vapour Density: | No data | Coeff Oil/water Distribution: | No data |
| Specific Gravity: | 1.2 @20°C | Autoignition temp: | No data |

Section 10 - Stability and Reactivity

Reactivity: Contact with acid liberates toxic gas (chlorine).

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| Chemical Stability: | Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. The amount of available chlorine diminishes over time. |
| Conditions to Avoid: | This product should be kept in a cool place, preferably below 30°C. Avoid exposure to heat, sources of ignition and open flames. Avoid contact with acids and other chemicals. Avoid contact with foodstuffs. Avoid exposure to light. |
| Incompatible Materials: | Acids, metals, metal salts, peroxides, reducing agents and ethylene diamine tetraacetic acid. Incompatible with ammonia and ammonium compounds such as amines ammonium salts. |
| Hazardous Decomposition Products: | Toxic and/or irritating fumes including chlorine gas may be released on thermal decomposition. |
| Hazardous Reactions: | This product will not undergo polymerisation reactions. Reacts exothermically with acid. Reacts with ammonia and ammonium compounds to form chloramines. Decomposes on heating to release chlorine gas. |

Section 11 - Toxicological Information

No adverse health effects expected if this product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may occur if the product is mishandled or over exposure occurs are:

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|------------------|---|
| Swallowed | Swallowing may result in nausea, vomiting, diarrhoea, abdominal pain and burns to the gastrointestinal tract. |
| Eye | A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury. |
| Skin | Contact with skin will result in severe irritation. Corrosive to skin; may cause skin burns. |
| Inhaled | Breathing in mists or aerosols may cause respiratory irritation. Delayed (up to 48 hours) build-up of fluid in the lungs may occur. |

Chronic Effects

No Data Available

Acute Toxicity

No data available for this product. For the constituent

SODIUM HYPOCHLORITE

Oral LD50 (mice): 5800mg/kg

Severe eye damage/irritation

Moderate irritant rabbit. Standard Draize test.

Section 12 - Ecological Information

Avoid contaminating waterways.

Ecotoxicity

Aquatic Toxicity – Very toxic to aquatic organisms.

48hr LC50 (fish): 0.07 to 5.9mg/L

Persistence/degradability

This material is biodegradable.

Section 13 - Disposal Considerations

Disposal method

Refer to State/Territory Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

Special precautions

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Section 14 - Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code)

UN Number: 1791

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Issued by: Hammersley Products (Aust) Pty Ltd

Phone: (02) 4928 2955

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

UN Proper Shipping Name: HYPOCHLORITE SOLUTION
Class and subsidiary risk: 8 Corrosive
Packing Group: III
Special precautions for user: Not applicable
Hazchem Code: 2X

Section 15 - Regulatory Information

Poisons Schedule (SUSMP): Schedule 5 - Caution
All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16 - Other Information

Date of Preparation: May 2024

This SDS contains only safety-related information. For other data see product literature. Please read all labels carefully before using product.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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