



Bleach

1: Identification of the Material and Supplier

Product Identifier Bleach

Other Means of Identification Sodium Hypochlorite Solution

Recommended Use Destainer, whitener, sanitiser

Supplier Organisation Location Contact Information

Chemform Pty Ltd 7 Kirke St Phone: (08) 9240 7444 ABN: 50 008 905 119 Balcatta WA 6021 Fax: (08) 9344 4360

Australia E-Mail:

admin@chemform.com.au

Web: www.chemform.com.au

Emergency Phone Number Poisons Information Centre (Australia) 13 11 26

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia criteria and classified as a non-dangerous good according to Australian Dangerous Goods Code.

In ready to use form, when diluted with water, at or more than 1:5 (≤200mL/L) the diluted product is classified as non-hazardous. Recommended dilution is 1:200.

GHS Classification Eye corrosion (category 1)

Skin irritation (category 2)

Signal Word Danger

Hazardous Statement(s)Causes serious eye damage

Causes skin irritation

Precautionary Statement(s) Wear protective gloves and eyewear

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting immediately call a POISON

CENTRE or doctor/physician.

Store locked up. Contact with acids liberates toxic gas.

Dispose of contents/container in accordance with waste disposal legislation as well as

requirements by local authorities.

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3: Composition/Information on Ingredients

Ingredient **CAS Number Proportion** Available Chlorine as Sodium 7681-52-9 <10%

Hypochlorite

Non-hazardous ingredients to 100%

4: First Aid Measures

General For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.

Ingestion If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with

> water first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.

Eves If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue

flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a

doctor, or for at least 15 minutes.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with

running water.

Inhalation If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not

breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-

viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.

Symptoms Caused by **Exposure (Chronic)**

Prolonged or repeated contact may lead to dermatitis and necrosis.

Medical Attention and Special

Treatment

Fighters

Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result.

5: Fire Fighting Measures

Not combustible however if material is involved in a fire use: Fine water spray, normal Suitable Extinguishing

Equipment foam, dry agent (carbon dioxide, dry chemical powder).

Specific Hazards Arising from Decomposes on heating emitting toxic fumes, including those of chlorine.

the Chemical

Special Protective Equipment Wear self-contained breathing apparatus and suitable protective clothing if risk exposure

and Precautions for Fire to products of decomposition.

Hazchem Code None allocated.

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6: Accidental Release Measures

Personal Precautions Evacuate all personnel. Use suitable protective equipment – see section 8.

Environmental Precautions Seek disposal options by a licensed waste contractor

Spills and Disposal **Small Spills** Large Spills

Very small spills can be diluted with water

and washed away.

Wear personal protective equipment chemical goggles, face shield, impervious clothing (eg PVC suits), PVC, nitrile or rubber gloves and boots. Use sand only to absorb spill. Shovel up and collect and seal in properly labeled plastic drums. Residues may be washed away with water.

7: Handling and Storage

Precautions for Safe Handling Minimise direct contact with product. Always dispense, measure, mix and use this product

> in clean plasticware. Never use stainless steel, mild steel, brass, aluminium or any other metal for this purpose. Never mix with any other chemicals as dangerous reaction may

occur.

Conditions for Safe Storage Always replace lid on container after use and store in a well-ventilated area.

8: Exposure Controls - Personal Protection

National Exposure Standards None established for the product. TWA for chlorine gas is 3.0mg/m3

Sodium Hydroxide: TWA = 2 mg/m3

Engineering Controls Use in open or well-ventilated areas

Individual Protection

Eyes/Face Safety goggles

Hands Rubber or nitrile gloves

Skin Long sleeve shirt and chemical resistant safety boots Respiratory If mist or sprays are produced wear a respirator

9: Physical and Chemical Properties

Appearance Pale yellow liquid

Odour Chlorine pН 11.5-12.5

No data available **Vapour Pressure Vapour Density** No data available Flash Point Not applicable **Flammability Limits** Not applicable **Boiling Point** Not applicable **Melting Point** Not applicable 1.0 - 1.1**Specific Gravity**

Soluble in water Solubility

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10: Stability and Reactivity

Chemical Stability Product decomposes slowly and releases very toxic gas (chlorine) however, if stored in heat

(30-50°C) its decomposition speed increases substantially.

Possibility of Hazardous

Reaction

No hazardous reaction if stored and handled in accordance with label instructions.

Conditions to Avoid Avoid extreme heat and high temperatures.

Incompatible Materials Acids and acidic products, metals.

Hazardous Decomposition

Products

Chlorine gas (toxic).

11: Toxicological Information

Ingestion LD50 Oral: >5000mL/kg bw (rat) of a 4.74% solution. Consider low toxicity. Ingestion of

large quantities may result in gastrointestinal discomfort diarrhoea, possible burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, breathing

difficulties, circulatory collapse and coma.

Eye Highly corrosive. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis

and corneal burns with possible permanent damage.

Skin Hypochlorite bleach, 5.25 %, was slightly irritating in rabbits and guinea pigs under the

conditions described in the study. (4hr exposure). Prolonged skin exposure can cause reddening of the skin, pain, rash, dermatitis and possible burns. Prolonged or repeated

contact may result in ulceration.

Inhalation Over exposure may result in mucous membrane irritation of the respiratory tract, coughing

and possible burns. High level exposure may result in ulceration of the respiratory tract,

breathing difficulties, chemical pneumonitis and pulmonary oedema.

12: Ecological Information

Ecotoxicity TLC50 values for the different species ranged from 0.005mg/L for oyster larvaeto, P. pugio

(invertebrates) and from 0.037mg/L for M. menidia for S. fuscus (vertebrates).

Persistence/Degradability Rapidly degraded

Bio-accumulative Potential Hypochlorite does not bioaccumulate (log Pow = -0.87 at pH 7; rapid degradation in the

environment)

Mobility in Soil No data available

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13: Disposal Considerations

Disposal MethodsDisposal of this product and solutions of the product should at all times comply with

requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.

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14: Transport Information

UN Number None allocated
Shipping Name None allocated
Class None allocated
Subsidiary Risk None allocated
Packing Group None allocated

are vented and stored in a cool well ventilated space.

Hazchem Code None allocated IERG Number None allocated

15: Regulatory Information

Packaging & LabellingThis product is not a Scheduled Poison in accordance with the relevant State Poisons Act.

Defined as a "non-Dangerous Good" by the Australian Code for the Transport of Dangerous

Goods by Road and Rail.

16: Other Information

Prepared ByBrett AmosDate of Previous IssueJanuary 2015Changes MadeFormatted to GHS

References Australian Dangerous Goods Code

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011.

Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP)

Guidance on the Classification of Hazardous Chemicals Under the WHS Regulations (April

2012)

Contact Person/Point Australia 24 HOUR EMERGENCY CONTACT

Poisons Information Centre 13 11 26

Legal Disclaimer The above information is believed to be correct with respect to the formula used to

manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY

OF THIS INFORMATION.

END OF SAFETY DATA SHEET

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