

Safety Data Sheet **Bleach**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Bleach

Recommended Use: Sanitiser and cleaner

Available chlorine = 0-<5%.

Supplier: Genesis Industrial Pty Ltd, 6 Ginger Street, Paget 4740 **Phone No:** 07 49522608

Emergency Phone No - 13 11 26 – Poisons Information Centre

2. HAZARDS IDENTIFICATION

SIGNAL WORD :- NONE

Not classified as hazardous according to criteria of Worksafe Australia.

Bleach contains not more than 5% available chlorine.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Water	7732-18-5	>60% -	
Sodium hypochlorite	7681-52-9	0-<5%	H314 H400

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. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin: Remove any contaminated clothing 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. Transport to doctor or hospital.

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Bleach is not combustible. No risk of hazardous polymerisation.

Fire Extinguishing media: Water spray or fog. Foam. Dry chemical powder. Carbon dioxide.

Special fire-fighting procedures: None. Decomposes on heating emitting toxic fumes, including those of chlorine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

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

Hazardous products of combustion: May yield toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Clean up all spills immediately. Avoid contact with skin and eyes. Contain spill and mop up. Prevent contaminating waterways. Place in a suitable, labelled container for waste disposal.

7. HANDLING AND STORAGE

Safety: Keep out of reach of children. Do not mix with other chemicals.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: None assigned for mixture.

Atmospheric Contaminant Exposure Standard for: chlorine CAS No. 7782-50-5 TWA = 1 ppm (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.

Eye protection – Not normally required but safety glasses should be worn if there is a risk of splashing.

Respiratory – If inhalation risk exists, a suitable cartridge type respirator should be worn.

Other – Protective overalls are desirable. An eyewash unit should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale green liquid

Odour: Faint chlorine odour

pH = 10 - 11

Vapour Pressure: N/K

Vapour Density: N/K

Boiling Point: Approx 100°C

Freezing Point: < 0°C

Solubility in water: Complete

Specific Gravity: 1.06

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.

Bleach is corrosive to aluminium, zinc and tin.

Bleach can burn holes in clothes and cotton mops.

Hazardous polymerization: None.

11. TOXICOLOGICAL INFORMATION

Health Effects: Acute

Swallowed: Mildly irritating to the gastro-intestinal tract if swallowed.

Eye: Eye contact may result in slight irritation.

Skin: Principal route of exposure is usually by skin contact. Repeated or prolonged skin contact may cause swelling, redness, blistering or dermatitis. It is not absorbed through the skin.

Inhalation: Overexposure to inhalation 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 Avoid contaminating waterways

Persistence/degradability: This material is biodegradable.

Aquatic toxicity: Not Known

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

Decontamination and destruction of containers should be considered.

14. TRANSPORT INFORMATION

Road and Rail Transport: Not Dangerous Goods

15. REGULATORY INFORMATION

Classification: This material is non hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Poisons Schedule (SUSMP): S5 Caution.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other Information

This MSDS 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 MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Contact Person/Point Genesis Industrial Pty Ltd, Technical Manager

MSDS Date: 31st May 2016.