

Safety Data Sheet

Oxy Bleach

1: Identification of the material and supplier

Names

Product Name: Oxy Bleach
Other Name: Hydrogen peroxide, aqueous solution
Supplier: Chemform Pty Ltd (ABN: 50 008 905 119)
7 Kirke Street, Balcatta, WA 6021
Phone (08) 9344 2455 Fax: (08) 9344 4360
Emergency Telephone: Poisons Information Centre (Australia) 13 1126
Recommended Use: Laundry bleach

2: Hazardous Identification

Statement of Hazardous Dangerous Nature: Classified as hazardous according to the criteria of Safe Work Australia and classified as dangerous goods according to Australian Dangerous Goods Code.

Hazard Classification O Oxidizing
C Corrosive

Risk Phrases: R5 Heating may cause an explosion
R8 Contact with combustible materials may cause fire.
R20/22 Harmful by inhalation and if swallowed.
R35 Causes burns

Safety Phrases: S1/2 Keep locked up and out of reach of children.
S17 Keep away from combustible material.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin wash immediately with water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately. (Show the label where possible).

3: Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Hydrogen Peroxide	7722-84-1	50%
Non hazardous ingredients		To 100%

4: First Aid Measures

- Ingestion:** If swallowed do NOT induce vomiting. Immediately give a glass of water. Urgent hospital treatment is likely to be needed. For advice, contact a Poisons Information Centre (131126) at once. Will cause severe damage to the mucous membranes. Corrosive if swallowed. May burn the mouth, gullet and stomach. If ingested, decomposition may occur in the stomach leading to the production of oxygen gas. This may cause gastric distension of the stomach. Possibility of some bleeding occurring.
- Eye:** If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek urgent medical attention. A severe eye irritant. Permanent eye damage may occur. May cause damage to the cornea which may affect vision if immediate first aid action is not taken. Vapour may cause irritation to eyes.
- Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Contact with skin will result in severe irritation. Causes burns. Corrosive. May cause delayed chemical burns.
- Inhaled:** Remove victim to fresh air. Obtain medical attention immediately. Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.
- Advice to Doctor:** Treat as for chemical burns.
- First Aid Facilities:** Eye wash station, running water

5: Fire Fighting Measures

- General Comment:** The substance is non combustible but contact with combustible material may cause fire. A powerful oxidizing agent.
- Hazards from Combustion Products:** In the event of a fire, the product will decompose yielding oxygen which may support combustion.
- Suitable Extinguishing Media:** Water spray, foam, dry powder or carbon dioxide
- Specific Hazards:** The product will liberate oxygen.
- Hazchem Code:** 2P

6: Accidental Release Measures

- Personal Precautions:** Evacuate all personnel. Use suitable protective equipment.
- Spills and Disposal:** Contain using sand and earth - prevent runoff into drains and waterways. Small spills may be diluted to less than 1% as Hydrogen Peroxide and flushed to drain, contain large ones.

7: Handling and Storage

- Storage:** Minimise direct contact with product. Use only clean, plastic containers when measuring, dispensing or using the product. Do NOT add water to the product. Always add product to water while stirring. Store in a cool and well ventilated area. Keep containers closed ensuring that the lid is a vented lid to prevent build up of pressure. Store away from alkali, caustic, acids, metals and organic peroxides.
- Hygiene Measures:** Wash hands after handling the product, before eating smoking and using the lavatory and at the end of work.

8: Exposure Controls – Personal Protection

- National Exposure Standards** For Hydrogen Peroxide TWA is 1.4 mg/m³
- Engineering Controls:** Use in a well ventilated area.
- Personal Protection:**
- Eyes:** Safety goggles and full face shield.
- Hands:** Neoprene, nitrile rubber or natural rubber gloves.
- Skin:** Neoprene, nitrile rubber or natural rubber boots and apron.

9: Physical and Chemical Properties

Appearance:	Colourless liquid
Odour:	Sharp, irritating odour
pH (Undiluted):	Less than 3.0
Vapour Pressure:	18mm of mercury at 30°C
Vapour Density:	Not available
Boiling Point:	115°C
Melting Point:	-52°C
Solubility:	Totally soluble in water
Specific Gravity:	1.2 (water = 1)
Flash Point:	Not applicable

10: Stability and Reactivity

Chemical Stability:	The product is stable under normal ambient conditions.
Conditions to Avoid:	Direct sunlight, heat.
Incompatible Materials:	Combustible materials, organic materials, alkalis, metals, reducing agents.
Hazardous Reaction:	Will react with alkali to produce oxygen gas.

11: Toxicological Information

Toxicology Information:	
Ingestion (acute):	Corrosive if swallowed. Causes severe burns to mouth, throat and stomach. Rapid release of oxygen can cause distension and bleeding of the stomach.
Eye (acute):	Corrosive. May cause severe or irreversible eye damage.
Skin (acute):	Corrosive.
Inhalation (acute):	Inhalation of mists or sprays can lead to irritation of the mouth and throat and possible pulmonary oedema.
Chronic Effects (acute):	Long term exposure may lead to dermatitis.

12: Ecological Information

Environmental Protection	This product is toxic to aquatic organisms, however hazard is limited due to the fact the product does not bioaccumulate and there is not toxicity of degradation products.
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13: Disposal Considerations

Disposal Methods:	Do NOT reuse plastic container. All product containers can be returned to Chemform for recycling. Disposal of this product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities.
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14: Transport Information

UN Number:	2014
UN Proper Shipping Name:	Hydrogen peroxide aqueous solution
Class	5.1
Subsidiary Risk:	8
Packing Group:	II
Special Precautions For Users	Ensure all containers are clearly labeled. Keep containers securely sealed, ensure all caps are vented and stored in a cool, well ventilated space.
Hazchem Code:	2P
IERG Number:	31

15: Regulatory Information

Packaging & Labelling: This product contains a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Bulk.

16: Other Information

Prepared By: Brett Amos

Date of Previous Issue: January 2006

Change Made: Full review

References: Australian Dangerous Goods Code
List of Designated Hazardous Substances
National Code of Practice for the Preparation of Material Safety Data Sheets
Standard for the Union Scheduling of Drugs and Poisons

Contact Person/Point: Australia:
24 HOUR EMERGENCY CONTACT
Poisons Information Centre (Australia) 13 1126

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