



Infosafe No™	1CHIF	Issue Date : November 2015	RE-ISSUED by CHEMSUPP
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Product Name : **HYDROGEN PEROXIDE 3%**

Not classified as hazardous

1. Identification

GHS Product Identifier	HYDROGEN PEROXIDE 3%		
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)		
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia		
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001		
Recommended use of the chemical and restrictions on use	Bleaching wood pulp, textiles, feathers, hair, fur, silk, straw, ivory, flour, bone and gelatin, renovating paintings and engravings, oxidiser in the manufacture of dyes, disinfecting water and hides, artificially aging wines and liquors, refining oils and fats, antichlor, photography, electroplating, cleaning metals, seed disinfectant, mouth washes, sanitary lotions, dentrifices, pharmaceuticals, plasticizers, antiseptic and laboratory reagent.		
Other Names	<u>Name</u>		<u>Product Code</u>
	HYDROGEN PEROXIDE 3% LR		HL004
Other Information	Hydrogen dioxide, Peroxide EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.		

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Chemical Characterization	Liquid				
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Water	7732-18-5	96.5-97.5 %		
	Hydrogen peroxide	7722-84-1	2.5-3.5 %	C, O	R34, R8
Other Information	May contain <1% stabiliser.				

4. First-aid measures

Inhalation	Remove victim to fresh air. Seek medical advice if effects persist.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention.
Skin	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If persistent irritation occurs, obtain medical attention.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If persistent irritation occurs, obtain medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Specific Methods	Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.
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Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.**6. Accidental release measures****Personal Protection** Wear protective clothing specified for normal operations (see Section 8)**Clean-up Methods - Small Spillages** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.**7. Handling and storage****Precautions for Safe Handling** Do not breathe vapour. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.**Conditions for safe storage, including any incompatibilities** Keep containers securely sealed and protected against physical damage. Protect from freezing. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapours, liquid). Store at +2 to +8 °C. Keep away from direct sunlight**8. Exposure controls/personal protection**

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m ³	ppm	mg/m ³	ppm	
	Hydrogen peroxide			1.4	1	
Other Exposure Information	A time weighted average (TWA) has been established for hydrogen peroxide (Safe Work Australia) of 1.4 mg/m ³ , (1 ppm). The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.					
Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.					
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.					
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.					
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Butyl rubber gloves					
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.					
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use. Recommendation: Rubber boots.					
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.					

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid.
Odour	Odourless.
Melting Point	ca. 0 °C
Boiling Point	ca. 100 °C
Solubility in Water	Miscible.
Solubility in Organic Solvents	Soluble in alcohol.
Specific Gravity	1.00



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Flammability	Non combustible material.
Molecular Weight	34.01
Other Information	Refractive index: 1.3350 @ 20 °C

10. Stability and reactivity

Chemical Stability	Breaks down in sunlight. Rust sensitive.
Conditions to Avoid	Heat, sunlight/light.
Incompatible Materials	Alkalies, ammonia and their carbonates, albumin, balsam Peru, brass, iron and iron salts, finely powdered metals, copper, copper alloys, galvanized iron, zinc, nickel, reducing agents, dirt, rust, phenol, charcoal, chlorides, alkali citrates, ferrous salts, mercurous salts, gold salts, hypophosphites, iodides, lime water, permanganates, sulfites, tinctures, organic matter and many metals.
Hazardous Decomposition Products	May liberate toxic fumes in fire such as oxygen gas.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Ingestion	May be irritating to the mucous membranes. May cause nausea, pain and vomiting.
Inhalation	Vapour may cause irritation to the upper respiratory tract, nausea and headache.
Skin	Irritating to skin. Contact may result in drying and bleaching of the skin.
Eye	Irritating to eyes.
Carcinogenicity	Hydrogen peroxide [7722-84-1] is evaluated in the IARC Monographs (Vol. 36, Suppl. 7, Vol. 71; 1999) as Group 3: Not classifiable as to carcinogenicity to humans.
Chronic Effects	Potential symptoms of overexposure are irritation of eyes, nose and throat, corneal ulceration, erythema, vesicles on skin and bleaching of hair.
Mutagenicity	No evidence of mutagenic properties.

12. Ecological information

Ecotoxicity	No ecological data available for this product. Quantitative data on the ecological effect of this product are not available.
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13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Poisons Schedule	Not Scheduled
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16. Other Information

Literature References	<p>'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.</p> <p>Safe Work Australia, 'Hazardous Substances Information System, 2005'.</p> <p>Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.</p>
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Safety Data Sheet

infosafe
CS: 1.7.2

Page: 4 of 4

Infosafe No™	1CHIF	Issue Date : November 2015	RE-ISSUED by CHEMSUPP
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**Contact
Person/Point**

Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]'.

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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**Empirical Formula &
Structural Formula**

H₂O₂ (in aqueous solution (3%))

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