

1. Identification of the substance/preparation and of the company/undertaking

Product Name: BAQUASHOCK

Recommended Use: Bleaching and deodourising of textiles, bleaching wood pulp, and hair; plasticisers; rocket fuel; foam rubber; dyeing; electroplating; antiseptic.

Supplier: Chempro Group Limited – T/A Bluewater Poolcare
Street Address: 28 Bowden Road
Mt Wellington
Auckland
New Zealand

Telephone Number: +64 9 914 8599
Facsimile: +64 9 309 9264
Emergency Telephone: N Z 0800 243 622 or International +64 3 353 0199 (ALL HOURS)

2. Composition/information on ingredients

Components / CAS Number	Proportion	Risk Phrases
Hydrogen peroxide 7722-84-1	30-60%	R8, R22, R34, R41

Non hazardous component(s)	40-70%	-
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NZ Group Standard & EPA Approval code: Water Treatment Chemical – HSR 002684

3. Hazards identification

Classification: *Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.*

Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land..

Subclasses: Subclass 5.1.1 Category B (Oxidising Substances that are solids or liquids: medium hazard) - Oxidising Substances.
Subclass 6.1 Category D - Substances which are acutely toxic.
Subclass 6.9 Category B - Substances that are harmful to human target organs or systems.
Subclass 8.2 Category B - Substances that are corrosive to dermal tissue.
Subclass 8.3 Category A - Substances that are corrosive to ocular tissue.
Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.
Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

4. First-aid measures

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor at once. Urgent hospital treatment is likely to be needed.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

- Skin Contact:** If spilt on large areas of skin or hair, immediately drench with running water and remove clothing.
- Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.
- Eye Contact:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Ingestion:** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Immediately give a glass of water. Seek immediate medical assistance.
- Notes to physician:** Treat symptomatically. Can cause corneal burns.

5. Fire-fighting measures

- Specific Hazards:** Oxidizing substance. Non combustible, but will support combustion of other materials.
- Fire-fighting advice:** Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
- Suitable Extinguishing Media:** Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. Accidental release measures

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water. If contamination of sewers or waterways has occurred advise local emergency services.

7. Handling and storage

- Handling advice:** Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.
- Storage advice:** Store in cool place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

Occupational Exposure Limits:

No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for constituent(s):

Hydrogen peroxide: WES-TWA 1 ppm, 1.4 mg/m³, A3 Carcinogen

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

Carcinogen Category A3 - Confirmed animal carcinogen with unknown relevance to humans.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Control Measures:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

Personal Protective Equipment:

Minimum recommended requirements: OVERALLS, RUBBER BOOTS, FACE SHIELD, SAFETY SHOES, GLOVES (Long), APRON.

Wear overalls, face shield, elbow-length impervious gloves, splash apron and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. Physical and chemical properties

Physical state:	Clear Liquid
Colour:	Colourless
Odour:	Sharp , Pungent
Solubility:	Miscible with water.
Specific Gravity:	ca. 1.2 @20°C
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not applicable
Boiling Point/Range (°C):	ca. 114
pH:	Not available
Freezing Point/Range (°C):	ca. -50

10. Stability and reactivity

Stability: Powerful oxidising agent. Incompatible with acids , reducing agents , alkalis , heavy metals and their salts , dust , enzymes , combustible material , organic chemicals and rust .

11. Toxicological information

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

Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye contact:	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Skin contact:	Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
Inhalation:	Breathing in mists or aerosols may produce respiratory irritation.

Long Term Effects: No information available for the product.

Toxicological Data: No LD50 data available for the product.
For the constituent Hydrogen peroxide :
Oral LD50 (rat): 376 mg/kg (H2O2 at 90%)

12. Ecotoxicological information

Avoid contaminating waterways.

13. Disposal considerations

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

Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

UN No: 2014
Class-primary 5.1 Oxidizing
Agent Subrisk 1: 8 Corrosive
Packing Group: II
Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Hazchem Code: 2P

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 2014
Class-primary: 5.1 Oxidizing
Agent Subrisk 1: 8 Corrosive
Packing Group: II
Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Air Transport

TRANSPORT PROHIBITED under the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air in passenger aircraft and cargo aircraft.

NZ Group Standard & EPA Approval code: Water Treatment Chemical – HSR 002684

15. Regulatory information

Classification: Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

Subclasses: Subclass 5.1.1 Category B (Oxidising Substances that are solids or liquids: medium hazard) - Oxidising Substances.
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Subclass 8.2 Category B - Substances that are corrosive to dermal tissue.
Subclass 8.3 Category A - Substances that are corrosive to ocular tissue.
Subclass 9.1 Category D - Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.
Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

16. Other information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Chempro Logistics Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Chempro Logistics representative or Chempro Logistics Limited at the contact details on page 1.

Chempro Logistics Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.