



Safety Data Sheet

1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

Product Name: HY.WASH PEROXY 50

Supplier: HY.GIENE Australia Pty Ltd
ABN: 34 271 614 027

Street Address: 11 / 18-20 Edward street,
OAKLEIGH 3166

Telephone: +61 3 9729 3946

Emergency Telephone Number: 0408 616 930

2. HAZARDS IDENTIFICATION

This material is classified as Hazardous according to the criteria of NOHSC.

GHS classification:

Oxidising liquids, Category 1, **H271**
Acute toxicity (inhalation), Category 4, **H332**
Acute toxicity (oral), Category 4, **H302**
Skin corrosion/irritation, Category 1A, **H314**

Pictogram:



Signal word: Danger

Hazard statements:

H271: May cause fire or explosion; strong oxidiser.
H302 + H332: Harmful if swallowed or if inhaled.
H314: Causes severe skin burns and eye damage.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

P220: Keep/Store away from clothing/.../combustible materials.
P221: Take any precaution to avoid mixing with combustibles/flammables.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.
P363: Wash contaminated clothing before reuse.
P370 + P378: In case of fire: Use water to extinguish.

Hazard Category

C: Corrosives
O: Oxidant
Xn: Harmful

R-phrases(s)

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

Poisons Schedule (Aust) / Toxic Substance(NZ): 5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemicals	CAS No.	Proportion
Hydrogen peroxide	7722-84-1	48-52 %
Non-hazardous components		>45%

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

4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Ingestion: Rinse mouth with water. Give of water to drink Do NOT induce vomiting. Seek immediate medical assistance.

Eye contact: Immediately irrigate with copious amount of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash contaminated skin. Seek immediate medical assistance.

Skin contact: Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If swelling, redness, blistering or irritation occurs seek medical advice.

Inhalation: Remove victim from 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

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fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Specific Hazards: Non-combustible, but will support combustion of other materials.

Fire fighting further advice: Not combustible, but following evaporation of aqueous component residual material can burn if ignited. Can decompose if involved in a fire liberating oxygen and intensify fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion and decomposition.

Suitable extinguishing media: Water. Do not use any other substance.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of vapour/mist. Contain - prevent runoff into drains and waterways. Use absorbent (soil, sand, or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water.

7. HANDLING AND STORAGE

Storage: Store in a well-ventilated area. Store in a cool place and out of direct sunlight. Store away from organic materials, reducing agents, acids, alkalis, metals and flammable and combustible substances. Keep containers closed at all times - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).
However, Exposure Standards for constituents: -

Hydrogen peroxide: 8hr TWA = 1.4mg/m³ (1ppm), 15 min STEL = No limit set.

As published by the National Occupational Health and Safety Commission (Worksafe Australia).
TWA – the Time-Weighted Average airborne concentrations over an eight-hour working day, for a five-day working week over an entire working life. STEL (Short Term Exposure Limit) – the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. 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. 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.

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Engineering measures: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use in well ventilated area. Use with local exhaust ventilation or while wearing organic vapour respirator. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES(S). Avoid skin and eye contact and inhalation of vapour or mists. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Clear, colourless liquid with a slightly pungent and irritating odour.
Boiling Point/Melting Point (°C):	114
Vapour Pressure:	18
Percent Volatile by volume:	100
Specific Gravity:	1.19-1.21 at 20°C
Solubility in water:	Complete
Flash Point (°C):	None, Non-flammable

10. STABILITY AND REACTIVITY

Stability: Oxidising agent. Can react with organic materials, reducing agents, acids, alkalis, metals, and flammable and combustible substances. React with acids producing poisonous gaseous chlorine. Contamination and exposure to light and heat accelerates decomposition. Mildly corrosive to most metals and paints. Will react with peroxides, metal salts and reducing agents.

11. TOXICOLOGICAL INFORMATION

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

Ingestion: Swallowing can result in nausea, vomiting and internal bleeding. Can decompose with rapid evolution of oxygen which can distend and damage and oesophagus and stomach. (1)

Eye contact: A moderate eye irritant.

Skin contact: Contact with the skin will result in moderate irritation. Contact with skin may result in redness, blister formation and temporary whitening. (1)

Inhalation: Vapour may be irritant to mucous membranes and respiratory tract. Inhalation of mists may produce respiratory irritation.

Long term effects: No information available for product, however for concentrations of 20-60% hydrogen peroxide, severe systemic poisoning may cause

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headache, dizziness, vomiting, diarrhoea, tremors, numbness, convulsions, pulmonary oedema, unconsciousness and shock.(1)

Acute toxicity / Chronic toxicity: No LD50 data available for product, however for other concentrations of hydrogen peroxide: (1) 30% hydrogen peroxide: Oral LDLo (man): 1429 mg/kg (nausea, vomiting, coma) 90% hydrogen peroxide: Oral LD50 (mouse): 2000 mg/kg Dermal LD50 (rat): 4060 mg/kg. Inhalation LC50 (rat): 2000 mg/m³/4 hr.

12. ECOLOGICAL INFORMATION

No information available for product, however for 20-60% hydrogen peroxide:
LC50 (fathead minnows) (96 hours): 16.4 mg/l
Harmful to fish
EC50 (daphnia) (Immobilisation) (48 hours): 2.4 mg/l
Toxic to aquatic invertebrates.
There is evidence of photodegradation in air.
There is evidence of photodegradation in water.
There is evidence of rapid degradation in water.

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

14. TRANSPORT INFORMATION

Road and Rail Transport: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.
UN No: 2014
Class-primary: 5.1 oxidising agent
Subsidiary Risk: 8



Pictogram:
Packing Group: II
Proper Shipping Name: Hydrogen peroxide, aqueous solutions 50%
Hazchem Code: 2P

Marine Transport: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.
UN No: 2014
Class-primary: 5.1 oxidising agent
Subsidiary Risk: 8



Pictogram:
Packing Group: II

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Proper Shipping Name: Hydrogen peroxide, aqueous solutions 50%
Hazchem Code: 2P

Air Transport: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

UN No: 2014
Class-primary: 5.1 oxidising agent
Subsidiary Risk: 8



Pictogram:
Packing Group: II
Proper Shipping Name: Hydrogen peroxide, aqueous solutions 50%
Hazchem Code: 2P

15. REGULATORY INFORMATION

Hazardous according to criteria of NOHSC.

Hazard Category

O: Oxidant
C: Corrosives
Xn: Harmful

R-phrases(s)

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

S-phrase(s)

S3: Keep in a cool place
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 plenty of water.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S24/25: Avoid contact with skin and eyes.

Poisons Schedule (Aust) / Toxic Substance (NZ): S5

16. OTHER INFORMATION

This Material Safety Data sheet has been prepared by HY.GIENE Australia Pty Ltd

This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification of further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.