

# Safety Data Sheet

## Power Peroxide

Mountain Cleaning Products

Issue Date: December 2021

Valid to: December 2026



### SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	Power Peroxide
Synonyms:	NA
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Sanitising, disinfecting and bleaching agent
Supplier/Manufacturer:	Mountain Cleaning Products
Address:	7/7/ Snow St, South Lismore, NSW 2480
Telephone:	02 6622 8733
Fax:	02 6622 8744
Email:	support@mountaincleaning.com.au
Website:	www.mountaincleaning.com.au
Emergency Telephone:	13 11 26 (Poisons Information Centre)

### SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification:	Skin corrosion (Sub-category 1B) Eye corrosion (Category 1) Oxidising liquid (Category 2)
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#### LABELLING ELEMENTS:

Signal Word:	Danger
Pictogram(s):	  Corrosive      Flame over circle
Hazard Statements(s):	H314 Causes severe skin burns and eye damage. H272 May intensify fire; oxidiser.
Precautionary Statement(s):	<b>Prevention</b> P210 Keep away from heat. P220 Keep away from clothing and other combustible materials. P221 Take precautions to avoid mixing with incompatible combustibles as outlined in Section 10 of this SDS.

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	<p>P260 Do not breathe fumes/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p><b>Response</b> P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. P303 + P361 + P353 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 CENTRE (13 11 26) or doctor. P321 Specific treatment, see First Aid Measures on this Safety Data Sheet. P371 + P380 + P375: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to risk of explosion. P370 + P378 In case of fire: Use water spray, foam, dry powder, or carbon dioxide (CO<sub>2</sub>) extinguisher. P391: Collect spillage.</p>
Storage:	P405 Store locked up.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.s	Percentage (w/w)	Classification
Water	7732-18-5	40-60%	
Hydrogen peroxide	7722-84-1	40-60%	H314 + H271

### SECTION 4: FIRST AID MEASURES

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First Aid Facilities:	Normal washroom facilities. Safety shower and emergency eye wash.
Eye Contact:	Eyelids to be held open. Immediately irrigate with copious quantities of water for at least 20 minutes. Protect unharmed eye from rinse solution. Seek medical advice (e.g. ophthalmologist).
Skin Contact:	Rinse and remove contaminated clothing. Immediately wash contaminated skin with plenty of water. Seek medical advice if irritation, burning or redness occurs and persists.
Inhalation:	Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. If breathing difficulties occur (e.g. severe and continual coughing) keep patient half sitting with upper body supported. Seek immediate medical advice.
Ingestion:	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink in small sips. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice.
Advice to Doctor:	No specific antidote. Treat symptomatically for chemical burns. All treatments should be based on observed signs and symptoms of distress of the patient. Do NOT administer activated charcoal since there is a risk of release of large amounts of gas from hydrogen peroxide. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. Phone Australia 13 11 26.

### SECTION 5: FIRE FIGHTING MEASURES

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Fire and Explosion Hazard:	Risk of over pressure and burst due to decomposition with heat in a confined space, container, or pipes. With large-scale fire, violent decomposition or even explosion is possible.
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Flammability:	Strong oxidising agent. Product itself does not burn but is fire-stimulating. Release of oxygen may support combustion.
Extinguishing Media:	Fine water spray, normal foam or dry agent (carbon dioxide, dry chemical powder). Do NOT use organic compounds.
Fire Fighting:	Keep containers exposed to extreme heat cool with fine water spray or dilute with water (flooding). Fire fighters to wear self-contained breathing apparatus and protective clothing. Do NOT allow fire fighting water to reach waterways, sewers or drains. Store fire fighting water for treatment. Dam control water for later disposal.
Flash Point:	None.
Hazchem Code:	2P

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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Minor Spills:	Do not normally require special clean-up measures. Dilute product with lots of water and rinse away. Never return spilled product into original container for re-use as there is risk of decomposition with contamination.
Major Spills:	For example transport accident or bulk spill. Clear area of unprotected personnel. Work up wind or increase ventilation. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination and inhalation of fumes. Contain spillage, then cover/absorb spill into dry, inert material (e.g. sand, earth or vermiculite), collect and place into suitable containers, appropriately labeled, for disposal by an approved agent according to local conditions. Spillage area may remain slippery. Flush spill area with water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.
PPE:	Personal protective equipment advice is contained in Section 8 of this document.

### SECTION 7: HANDLING AND STORAGE

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Handling:	Avoid skin and eye contact and avoid breathing in vapours. Avoid contact with clothing. Keep out of reach of children. Always wash hands with water after handling.
Storage:	Store in a cool, dry, place with good ventilation and out of direct sunlight. Store away from incompatible materials (see Section 10). Do not keep containers sealed.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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#### OCCUPATIONAL EXPOSURE LIMITS:

Ingredient	TWA	STEL	Notes
Hydrogen peroxide	1ppm- 1.4mg/m3		

Personal Protection:	Acid proof clothing (suitable materials PVC, neoprene, nitrile rubber, rubber), overalls, chemical goggles or face shield, gloves (LONG). Possibly apron and rubber boots.
Engineering Controls:	Ensure ventilation is adequate. Where an inhalation risk exists, local extraction ventilation is recommended to maintain vapour levels below recommended exposure standard.
Eye and Face Protection:	Chemical goggles or face shield.
Hand and Skin Protection:	Wear impervious PVC or rubber gloves (long) to dispense. Wear coveralls. When using large quantities or where heavy contamination is likely, wear rubber boots and a PVC apron.
Inhalation Protection:	Where an inhalation risk exists wear a respirator that meets AS/NZS 1715 and AS/NZS 1716.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Colourless, clear liquid
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Odour:	Slight	Vapour Pressure:	48Pa-3070Pa at 30 °C
Odour Threshold:	Not available	Vapour Density:	Not available

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pH:	< 3.5 neat	Relative Density (Water=1):	1.134-1.195 @ 25 °C
Melting/Freezing Point:	-33 °C	Water Solubility:	Soluble
Boiling Point:	108 °C approx.	Partition Coefficient n-Octanol/Water	Not available
Flash Point:	Not relevant	Auto-ignition Temperature	Not available
Evaporation Rate:	Not available	Decomposition Temperature	Not available
Flammability:	Not flammable	Viscosity	Non viscous
Upper/Lower Flammability:	Not relevant		

### SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Product is an oxidising agent and is reactive.
Chemical Stability:	Stable under recommended conditions of storage. Stabilised to reduce risk of decomposition due to contamination.
Possibility of Hazardous Reactions:	Decomposes on heating to produce steam and oxygen. Release of oxygen might support combustion.
Conditions to Avoid:	Direct sunlight, heat and the effect of heat.
Incompatible Materials:	Impurities, decomposition catalysts, metals, metallic salts, alkalis, hydrochloric acid, reducing agents (risk of decomposition). Flammable substances (danger of fire). Organic solvents (risk of explosion).

### SECTION 11: TOXICOLOGICAL INFORMATION

Inhaled:	Breathing in mists or aerosols may produce respiratory irritation, coughing and inflammation of respiratory tract. Delayed (up to 48 hours) fluid build-up in respiratory tract and lungs may occur.
Skin Contact:	May result in irritation and possible caustic burns. With increasing contact length local erythema or extreme irritation and whitening up to blistering may occur.

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Eye Contact:	Corrosive to eyes. Contact can cause irritation; redness, corneal burns and can possibly result in permanent injury. Symptoms may occur with delay.
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Acute Toxicity:	Oral LD50 (rat) - 1193mg/kg (from literature). Inhalation TC50 (rat) - >0.17mg/l (literature). Dermal LD50 (rabbit) - 6500mg/kg (literature, 70% hydrogen peroxide).
Chronic:	No information available.

### SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity:	Avoid contaminating waterways due to immediate local effect. LC50 (fish <i>Ictalurus punctatus</i> ) - 37.4 mg/l – 96h (literature, 100% hydrogen peroxide). EC50 ( <i>Daphnia magna</i> ) - 7.7 mg/l – 24h (literature, 100% hydrogen peroxide). IC50 (algae, <i>Chlorella vulgaris</i> ) - 2.5mg/l – 72h (OECD TG 201, 100% hydrogen peroxide). EC10 (bacteria, <i>Pseudomonas putida</i> ) - 11 mg/l – 16h (Method DEV, DIN 38412, T.8).
Persistence and Degradability:	Photochemical degradation (air) takes place. Quickly biodegradable to water and oxygen.
Bioaccumulative Potential:	None. Hydrogen peroxide quickly decomposes to water and oxygen.
Mobility in Soil:	Completely miscible.
Other Adverse Affects:	None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal Methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.
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### SECTION 14: TRANSPORT INFORMATION



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ADG Code Classification:	Dangerous Goods.
UN No.:	2014
Proper Shipping Name:	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS, 20%-60% HYDROGEN PEROXIDE (stabilized as necessary)
Transport Hazard Class:	5.1 Oxidising Substances      Subsidiary Class 8 – Corrosive  
Packing Group:	II
Hazchem Code:	2P
Environmental Hazards for Transport:	Avoid contaminating waterways.

### SECTION 15: REGULATORY INFORMATION

SUSMP (Poison Schedule):	S6 Poison
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### SECTION 16: OTHER INFORMATION

Acronyms:	ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS – Australian Inventory of Chemical Substances. CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds. GHS – Globally Harmonised System. HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies. IARC – International Agency for Research on Cancer. LC50 – Lethal concentration to kill 50% of test population. LD50 – Lethal dose, to kill 50% of test population. Mg/m <sup>3</sup> – Milligrams per cubic metre. PPM – Parts per million. STEL – Short Term Exposure Limit. STOT – SE/RE – Specific Target Organ Toxicity (single/repeated exposure).
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	SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons. TWA/OEL – Time Weighted Average/Occupational Exposure limit.
Literature References:	Australian Code for the Transport of Dangerous Goods by Road & Rail – Ed.7.7, 2020. Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. July 2020 – Safe Work Australia. Global Harmonized System of Classification and Labelling of Chemicals (GHS). Seventh revised edition. Standard for the Uniform Scheduling of Medicines and Poisons. June 2021. Safety Data Sheets for individual raw materials – all suppliers.
Revision History:	V 1.0 Initial SDS for GHS compliance. Rev 1.1 Extension for GHS7 transition. Rev 2.0 GHS7 Compliance.
Prepared By:	Mountain Cleaning Products Regulatory Service.

**END OF SDS**