

Infosafe No™ VARE1	Issue Date :October 2024	ISSUED by HUNTERST
Product Name HYDROGEN PEROXIDE 50%		

Section 1 - Identification

Product Identifier	HYDROGEN PEROXIDE 50%
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency Phone Number	0417 744 144
Recommended use of the chemical and restrictions on use	Bleaching and deodourising of textiles, bleaching wood pulp, and hair; plasticisers; rocket fuel; foam rubber; dyeing; electroplating; antiseptic. Dairy industry: Sanitising and deodourising properties, bacteria control. Water treatment: Sanitisation. Effluent and waste water treatment: Reduce sulphide corrosion, deodourising, supplemental dissolved oxygen.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Acute toxicity: Category 4 - Inhalation Acute toxicity: Category 4 - Oral Oxidising liquids: Category 1 Skin corrosion/irritation: Category 1A
Signal Word	DANGER
Hazard Statement (s)	H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H332 Harmful if inhaled.
Pictogram (s)	Exclamation mark, Flame over circle, Corrosion
Precautionary Statement – Prevention	P220 Keep away from clothing and other combustible materials. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep 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. P306+P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. P312 Call a POISON CENTER/doctor if you feel unwell. P363 Wash contaminated clothing before reuse.
Precautionary Statement – Storage	P405 Store locked up. P420 Store separately.
Precautionary Statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
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Hydrogen peroxide	7722-84-1	50 %
Water	7732-18-5	50 %

Section 4 - First Aid Measures

Inhalation	Remove to fresh air. If required seek medical attention.
Ingestion	Immediately rinse mouth with water. Do NOT induce vomiting. Slowly give water to drink. Seek medical attention.
Skin	Remove all contaminated clothing and wash affected area with plenty of water. Seek medical attention if symptoms develop.
Eye	Hold eyes open and flood with running water for at least 15 minutes, bathe eyes with soothing eyedrops or sterile saline, seek immediate medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Hydrogen Peroxide at this concentration is a strong oxidant. Due to the likelihood of corrosive effects and the unlikelihood of systemic effects attempts at evacuating the stomach via emesis induction or gastric lavage should be avoided. However, remote possibility that a nasogastric or orogastric tube may be required for the reduction of severe distention due to gas formation. Eyes: Direct contact, esp. if not washed away immediately, is sufficient to cause corneal damage. Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Hazards from Combustion Products	Oxidizing substance. Non combustible, but will support combustion of other materials.
Special Protective Equipment for Firefighters	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.
Specific Hazards Arising from the Chemical	May cause fire on contact with combustible materials. If involved in a fire, the oxygen liberated will cause combustible materials to burn more fiercely.
Hazchem Code	2P

Section 6 - Accidental Release Measures

Emergency Procedures	Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.
Methods and materials for containment and cleaning up	If enough water is available dilute to <3%, flood area with water and drain to an approved chemical sewer or wastewater treatment system, including municipal sewers if approved. If only limited water is available (not enough to dilute spill to 3% concentration), use water for potential fire fighting of combustible materials. Contain spill until decomposition is completed naturally.

Section 7 - Handling and Storage

Precautions for Safe Handling	Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children. Do not return unused product to original container.
Conditions for safe storage, including any incompatibilities	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.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values	1.4 mg/m3 as hydrogen peroxide.
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Engineering Controls	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	Prevent contact with the eyes. Avoid contact with the skin. The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. Wear overalls, chemical goggles, 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. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	A clear colourless low viscosity liquid with slightly pungent odour.
Melting Point	-52C
Boiling Point	114C
Solubility in Water	Miscible with water in all proportions.
Specific Gravity	1.2
pH	0.3-0.7 (apparent pH)
Vapour Pressure	18mm
Flash Point	None
Flammability	Non Flammable. Heat will cause decomposition to oxygen gas.

Section 10 - Stability and Reactivity

Conditions to Avoid	Avoid exposure to heat.
Incompatible Materials	Incompatible with acids , reducing agents , alkalis , heavy metals and their salts , dust , enzymes , combustible material , organic chemicals , cyanides , dirt , rust and hexavalent chromium compounds .
Hazardous Decomposition Products	Decomposes on heating to emit oxygen. Heating can cause expansion of containers or decomposition leading to violent rupture of containers. Can react with aluminium forming hydrogen gas.

Section 11 - Toxicological Information

Toxicology 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:
Acute Toxicity - Oral	LC50 (Rats 4 hours): 2000 mg/L LC50 (mice): 227 ppm Oral LD50 (Rats): 910 mg/kg Dermal LD50 (Rabbit): 2000 mg/kg
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract. Decomposition may occur in the stomach leading to the production of oxygen gas. This may cause distension of the stomach and the possibility of some bleeding. Death may occur if large amounts are ingested.
Inhalation	Strong respiratory irritant, can cause irritation to mucous membranes in throat and nose. Inhalation in high concentrations may cause temporary lung irritation with cough, discomfort, breathing difficulty.
Skin	Severe corrosive and irritant. May cause delayed chemical burns and transient

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Eye	whitening of affected area. Severe irritant and corrosive, may cause corneal damage if immediate first aid action is not taken.
Chronic Effects	Available evidence from animal studies indicate that repeated or prolonged exposure to this material could result in effects on the lungs.

Section 12 - Ecological Information

Persistence and Degradability	Readily biodegradable.
Mobility	Readily transported by water.

Section 13 - Disposal Considerations

Waste Disposal	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

Transport Information	Dangerous Goods of Class 5.1 Oxidising Agents are incompatible in a placard load with any of the following: - Class 1, Class 2.1, Class 2.3, Class 3, Class 4, Class 5.2, Class 7, Class 8, Fire risk substances and combustible liquids.
ADG UN Number	2014
ADG Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
ADG Transport Hazard Class	5.1
ADG Subsidiary Hazard	8
ADG Packing Group	II
Hazchem Code	2P
EPG Number	5.1.005
IERG Number	31

Section 15 - Regulatory Information

Poisons Schedule	S6
Australia (AICS/AIIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	28/10/2024
Literature References	Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Globally Harmonised System of classification and labelling of chemicals GHS7
Signature of Preparer/Data Service	Technical Manager 0417 744 144
Technical Contact Numbers	Emergency Advice All Hours: Technical Manager: 0417 744 144 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs Transport/Fire Emergency: 000 (Emergency services)
Other Information	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions

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encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

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