

SAFETY DATA SHEET

Hydrogen Peroxide 35%

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name:	Hydrogen Peroxide 35%
Product Codes:	DL5400
Recommended Use:	Assists in mull preparation for internal bleaching of endodontically treated teeth
Contact Information:	Dentalife Australia Pty. Ltd. Factory 9/505 Maroondah Highway Ringwood, VIC, 3134, Australia Phone: +61 3 9879 1226
Emergency Telephone Number:	+61 3 9879 1226
Poisons Information Centre:	24 hour, 7 days a week in an emergency call: 13 11 26

2. HAZARD IDENTIFICATION

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Signal Word: Warning

Hazard Pictograms:



Hazard Statement: H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation

Prevention Precautionary Statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P271 Use only outdoors or in a well-ventilated area.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

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Response Precautionary Statements:	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Storage Statements:	Store in upright, original ventilated container in a cool, dry, well ventilated area and out of direct sunlight. Store away from strong bases, other oxidizing agents, metals, organic solvents and aluminium. Stable under normal conditions of storage and use. Decomposes very slowly at ambient temperatures to give off oxygen gas. Keep away from sources of heat, combustibles and other chemicals. Avoid contact with any materials. Do not return unused product to original container.
Disposal Precautionary Statements:	P501 Dispose of waste material through a licensed contractor or facility
Poison Schedule:	Not Applicable

3. COMPOSITION INFORMATION

CHEMICAL NAME	CAS NO.	PROPORTION (% w/v)
Hydrogen Peroxide	7722-84-1	35
Stabilisers	-	< 1.0
Water	7732-18-5	To 100

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: If fumes or combustion products are inhaled, remove to fresh air. Seek medical attention if shortness of breath or prolonged coughing occur. Administer oxygen if severely short of breath.

Skin Contact: Wash affected areas with copious quantities of water immediately to remove all traces of hydrogen peroxide solution. Do not use any local application. Remove contaminated clothing, soak in water, then launder before re-use.

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Seek medical attention if signs or symptoms such as redness, swelling, blistering or irritation develop or persist.

Eye Contact:	Immediately hold the eyes open and wash with fresh running water for at least 15 minutes. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs, seek medical attention.
Ingestion:	Immediately rinse mouth thoroughly with water and give plenty of water to drink provided subject is completely conscious. Do NOT induce vomiting. Seek immediate medical assistance without delay.
First Aid Facilities:	Eye wash stations and safety showers should be readily available.
Comments:	Treat according to person's condition and specifics of exposure.
Advice to Doctor:	Consult Poisons Information Centre Ph :13 11 26. With eye contact exclude corneal ulceration - recheck up to one week for delayed ulceration. Refer to eye specialist. Ingestion may result in gastrointestinal bleeding or perforation, seek medical attention

5. FIRE FIGHTING MEASURES

Extinguishing media:	Carbon dioxide, dry chemical powder, water spray None known
Specific hazards arising from the chemical:	None
Special protective equipment and precautions for fire fighters:	Wear self-contained breathing apparatus and protective gear to minimise risk of exposure to vapour or products of combustion

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Protective gloves and safety glasses should be worn when handling the Hydrogen Peroxide 35%
Methods and materials for containment and clean up:	Recover product and dispose of waste according to Federal, E.P.A., State and Local regulations.
Dangerous Goods -Initial Emergency Response Guide No:	Do not allow large quantities to enter drains or surface waters, native or natural environments.

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7. HANDLING AND STORAGE

Precautions for safe handling:	Ensure cap for bottle is replaced and tightly closed immediately after use. May corrode some forms of plastics, rubber, and coatings. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Conditions for safe storage, including any incompatibilities:	Store in upright, original ventilated container in a cool, dry, well ventilated area and out of direct sunlight. Store away from strong bases, other oxidizing agents, metals, organic solvents and aluminium. Stable under normal conditions of storage and use. Decomposes very slowly at ambient temperatures to give off oxygen gas. Keep away from sources of heat, combustibles and other chemicals. Avoid contact with any materials. Do not return unused product to original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure standards	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
Biological limit values:	Use only in well ventilated areas.
Engineering controls:	No engineering controls necessary.
Personal Protection Equipment:	Rubber, latex or PVS gloves. Safety glasses, goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colourless liquid
Odour:	Characteristic odour
pH	9.5 to 10.5 for 1% solution
Viscosity (cP @ 25°C):	Not applicable
Vapour pressure:	12.8mm Hg (@20°C)
Vapour density:	Not determined
Boiling point (°C):	107
Freezing Point (°C):	~33
Melting point (°C)	Not applicable
Solubility in water (g/100mL):	Soluble
Specific gravity (@ 25°C)	1.13 g/mL @20°C
Flash point (°C)	Not determined
Lower explosive limit (%)	Not applicable
Upper explosive limit (%):	Not applicable
Autoignition Temp (°C):	Not available
Decomposition Temp (°C):	Not available

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10. STABILITY AND REACTIVITY

Reactivity	Not relevant
Chemical stability:	Stable when kept cool and dry
Conditions to avoid:	Direct sunlight and heat
Incompatible Materials and possible hazardous reactions:	Acids, alkalis, reducing agents, oxidizing agents, rust, transition metals and their compounds as well as organic and combustible materials When subject to heat from combustion of other materials will decompose to liberate oxygen. This may cause other materials to burn more fiercely. Due to the strong oxidising capability, may cause other materials to ignite or catch fire.
Hazardous Decomposition Products:	This material decomposes if contaminated, causing fire and possible explosions. Oxygen can be liberated at temperatures above ambient.

11. TOXICOLOGICAL INFORMATION

Likely route of exposure:	Inhalation, Skin contact and Ingestion
Acute ingestion:	Corrosive if swallowed. May burn the mouth, gullet and stomach. If ingested (swallowed), decomposition may occur in the stomach leading to the production of oxygen gas and distension of the stomach. May cause gastro-intestinal bleeding or perforation. May cause oedema (bleeding) of the throat with obstruction of air passages. (as aqueous solution).
Acute eye contact:	Corrosive. Severe eye irritation, watering, redness and swelling of the eyelids. Risk of serious or permanent eye lesions including damage to cornea. Immediate first aid followed by medical attention is essential. Vapour may cause irritation.
Acute skin contact:	Corrosive. May cause delayed chemical burns. (In some cases), transient whitening of the affected area may occur.
Acute inhalation:	Irritating to respiratory tract including nose, throat and lungs. May cause coughing and shortness of breath. Severe exposure may cause pulmonary oedema (fluid in lungs). LC50 (rats - 4 hours) 2000mg/m ³ ; LCLo (mice) - 227ppm.
Chronic ingestion:	No known applicable information.
Chronic skin contact:	Corrosive. Causes burns.
Chronic inhalation:	No Known applicable information
Other information:	Tests in animals demonstrate no reproductive toxicity

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12. ECOLOGICAL INFORMATION

This product has no known ecological hazardous effects.

Ecotoxicity:	No data available
Persistence and Degradability:	Biodegradable
Bioaccumulation Potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

Disposable method:	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Disposal of contaminated packaging:	Recycle or landfill
Environmental regulations	Not relevant

14. TRANSPORT INFORMATION

Labels Required:



UN number:	1805
Dangerous Goods Class:	8
Packing Group:	III

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15. REGULATORY INFORMATION

Regulatory Information:

Hydrogen Peroxide is found on the following regulatory lists

- Australian Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
- Australian Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5
- Australian Inventory of Industrial Chemicals (AIIC)

This material/constituent(s) is covered by the following requirements:

All components of this product are listed or exempt from the Australian Inventory of Industrial Chemicals (AIIC)

16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental/medical use only.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

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