

MATERIAL SAFETY DATA SHEET

WATERCARE™

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Date of Issue: 5 January 2009

Company: **Agricultural Energy Pty Ltd**
Trading as **AquAirTec**
water and air treatment technologies
ACN 099 514 584

Address: 15 Osborne Street Bendigo Vic 3550
Telephone: 03 5442 2373
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IDENTIFICATION

Product Name: **WATERCARE**
Chemical Name: Hydrogen Peroxide plus Silver nitrate
Formula: H₂O₂ <8%
Water >92%
UN Number: Not applicable
Dangerous Goods Class: Not applicable
Hazchem Code: Not applicable
Packaging Group: Not applicable
Poisons Schedule No: Not applicable
CAS No: 7722-84-1 Hydrogen peroxide
CAS No: 7732-18-5 Water

PHYSICAL DESCRIPTION / PROPERTIES

Concentration: <8% aqueous solution of H₂O₂
Appearance: Clear colourless liquid with no odour
Boiling Point / Freezing Point: 101° C / -3° C
Vapour Pressure: 31 mm Hg @ 30° C
Vapour density [Air = 1] Not determined
Specific Gravity: 1.01 gm/cc @ 20° C
Flash Point: Non-combustible
Solubility in water: Completely soluble in water
Decomposition Temperature: Not applicable (Non-combustible)

HEALTH HAZARD INFORMATION

Swallowed: May cause irritation to mucous membranes. Rinse immediately with water.
May cause mild gastric discomfort if swallowed.

Eyes: Irritating. In case of contact, rinse immediately with water.

Skin: Mildly irritating. May cause a transient whitening of affected area.
Wash immediately with plenty of water and soap.
Wear suitable protective gloves and eye/face protection.

Inhaled: Non irritant.

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FIRST AID

- Swallowed: Give water to drink. DO NOT induce vomiting. Seek medical attention if required.
- Eye: Immediate irrigation with plenty of water. Continue for 15 minutes. Seek medical attention if required.
- Skin: Wash skin with water and soap. Remove any contaminated clothing and laundry before re-use. Seek medical attention if symptoms develop.
- Inhaled: Not applicable.
- Advice to Doctor: Treat symptomatically. Ensure skin and eyes are thoroughly irrigated. Ensure skin is thoroughly washed to remove all traces of solution.

PRECAUTIONS FOR USE

- Respiratory Protection: Not applicable.
- Ventilation: Not applicable.
- Personal Protection: Eyes: Glasses or goggles.
Hands: Protective gloves.
- Flammability: Not combustible.

SAFE HANDLING

- Stability: Decomposes very slowly at ambient temperatures to give off oxygen.
- Storage: Keep locked up and away from children.
Keep away from combustible materials.
- Conditions to avoid: Keep away from heat, combustibles and other chemicals. Avoid contamination with any materials. Do not return unused product to original container.
- Incompatibility: Acids, alkalis, reducing agents, oxidising agents, rust, transition metals and their compounds, resins, promoters, accelerators and combustible materials.
- Storage and Transport: Store upright in original vented container away from light and heat.
Not classified as hazardous for transport in accordance with the requirements of the Australian Code for Transport of Dangerous Goods by Road and Rail and the IMO Regulations for sea freight.

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HAZARDS AND PROCEDURES

Spills and Disposal: Dilute with water.

Fire/Explosion Hazard: Not combustible.

Unusual Fire and Explosion Hazards: When subjected to heat from combustion of other materials it will decompose to liberate oxygen which will support combustion.

OTHER INFORMATION

Toxicity and Ecotoxicity: Non-toxic, non-carcinogenic and non-mutagenic.

Biodegradability: Breaks down to air and water. Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes to oxygen and water. Degrades in the atmosphere within the light spectrum with hydroxyl radicals in the gas phase and subsequent photolysis.

Ecotoxicological: Depending on the level of dilution, may be toxic to sensitive aquatic organisms.

CONTACT POINT

If required telephone: Poisons Information Centre 13 11 26
Advise label details of contents (hydrogen peroxide) and concentration (less than 8%)

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This information is based on data believed to be accurate at the time of writing. It is given in good faith, but no warranty is expressed or implied as to its accuracy, completeness or otherwise. Every person dealing with the materials referred to herein does so at his own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

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