

Material Safety Data Sheet

CS: 1.4.93

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Infosafe No™ YSXYN Issue Date : March 2010 APPROVED by PLESSJAL

Product Name : HYDROTECH 50

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical Product and Company Identification
Product Name: HYDROTECH 50

Company Name
Peerless Jal Pty Ltd (ABN 53 006 489 345)

Address
10-12 Raglan Street Preston
Victoria 3072 Australia

Telephone/Fax Number
Tel: (03) 9416 6700
Fax: (03) 9416 8516

Email
sales@peerlessjal.com

Recommended Use
In laundries through automatic metering equipment as a bleaching and antibacterial agent.

Other Information
NOTICE: While the information contained herein is correct to the best of our knowledge, PEERLESS JAL Pty Ltd herein disclaims any warranties as to the accuracy of the same. Recommendations or suggestions are made without guarantee or representation as a result, since conditions of use are beyond our control. All materials are sold subject to PEERLESS JAL Pty Ltd standard terms and conditions of sale and on the condition that buyer shall make his/her own tests to determine the suitability of such product for buyers purposes. No statement contained herein shall be construed as a recommendation to infringe and patent.

2. HAZARDS IDENTIFICATION

Hazard Classification
Classified as hazardous
HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s)
Classified as hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization
Liquid

Ingredients	Name	CAS	Proportion
	Stabiliser	(Proprietary)	0-1 %
	Water	7732-18-5	To 100%
	Hydrogen Peroxide	7722-84-1	50% w/w

4. FIRST AID MEASURES

Inhalation
Leave contaminated area. Apply artificial respiration if not breathing. If breathing is difficult and patient is blue, give oxygen. In the event of cardiac arrest, apply external cardiac massage.

Ingestion
If poisoning occurs get to a doctor or hospital quickly. Give plenty of water.

Skin
Remove contaminated clothing and wash skin thoroughly with water. Wash immediately with plenty of soapsuds.

Eye
If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities
Eyewash should be nearby and ready to use. Consider providing safety showers.

Advice to Doctor
Treat symptomatically. In cases of eye contact check for corneal laceration. Recheck after up to one week as effects may be delayed. Refer to eye specialist. Insertion of a gastric tube may be advisable to relieve gastric distension that may occur following ingestion. Ensure that skin is thoroughly rinsed to remove all traces of hydrogen peroxide solution as it may react with locally applied medications.

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5. FIRE FIGHTING MEASURES

Specific Hazards Not combustible. Use water spray, foam or dry chemical. Oxidising agent. Will support combustion of other materials. Contact with combustible material may cause fire. If involved in a fire, may decompose, suddenly releasing oxygen. This may result in violent rupture of containers. Keep containers cool with water spray. Hazchem code 2P.

Hazchem Code 2P

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Wear appropriate protective clothing. This may include gloves, eye/face protection, rubber footwear and clean synthetic clothing. Avoid flammable protective clothing such as cotton, rayon or wool. Avoid leather footwear. Small spills may be flushed to sewer with plenty of water. Large spills should be absorbed on absorbent. Do not absorb on combustible material. Use Chemical Spill Kit. Collect in drums.

7. HANDLING AND STORAGE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards The National Occupational Health and Safety Commission (Worksafe Australia) has set no exposure standards for this material. This does not imply that this material is safe or non-hazardous. There may be insufficient information available to allow the National Commission to assign an exposure standard, even on a tentative basis. Where exposure standards are available for the ingredients of this material, they are listed below.

TWA

ppm mg/m³

Hydrogen Peroxide 1 1.4

As published by the National Occupational Health & Safety Commission (Worksafe Australia).

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Exposure Standards are guides to be used in the control of occupational health hazards. They are not fine dividing lines between safe and dangerous concentrations of chemicals nor are they measures of relative toxicity. All atmospheric contamination should be kept to as low a level as is practicable.

Use adequate ventilation to maintain concentrations below the exposure standards. Contact with combustible material may cause fire.

Engineering Controls

Personal Protective Equipment

Wear rubber gloves and eye/face protection. If inhalation risk exists wear appropriate full-face respirator. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Appearance Clear colourless mobile liquid

Melting Point -52°C

Boiling Point 114°C

Solubility in Water Completely Miscible

Specific Gravity 1.20

Vapour Pressure 10mmHg @ 20°C

Flash Point Not Flammable

Flammability Not flammable. Contact with combustible material may cause fire.

Flammable Limits - Lower Not Flammable

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Flammable Limits - Upper Not Flammable**10. STABILITY AND REACTIVITY****11. TOXICOLOGICAL INFORMATION**

Health Hazard	No adverse health effects expected if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are: For WSA format, please refer to Health Effects Section for acute effects.
Inhalation	Vapour is irritating to the mucous membranes and respiratory tract. High concentrations of vapour or spray mist can cause severe irritation. May cause bronchitis, pneumonia and pulmonary oedema. Individuals with impaired pulmonary function, especially those with obstructive airway diseases, may suffer exacerbated symptoms.
Ingestion	Causes severe burns. May burn mouth, throat and gastro-intestinal tract. Can decompose with sudden evolution of oxygen that can cause injury by distending the oesophagus or stomach. May cause internal bleeding. May cause nausea and vomiting.
Skin	Causes severe burns. May cause delayed burns. In some cases, transient whitening of the skin may occur. May cause redness and blisters. Individuals with pre-existing skin conditions may be more susceptible to the effects of this material.
Eye	Risk of serious damage to eyes. Vapour may irritate eyes causing stinging and lachrymation. Can cause corneal burns. Effects may be delayed and only appear a week or more after exposure.
Chronic Effects	Tests for mutagenic activity in bacterial or mammalian cell cultures have been inconclusive with positive results in some studies and negative results in others. Similarly tests for foetal effects in animal species have been inconclusive with positive results in some studies and negative results in others. Tests in animals demonstrate no reproductive toxicity. This product has been infrequently associated with sensitisation in humans.

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS****14. TRANSPORT INFORMATION**

Transport Information	Classified as dangerous goods according to the Transport of Dangerous Goods (ADG) Code.
U.N. Number	2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
DG Class	5.1
Sub.Risk	8
Hazchem Code	2P
Special Precautions for User	Correct Shipping Name: Hydrogen Peroxide, Aqueous Solution
Packaging Method	3.8.5.1RT7,RT8
Packing Group	II
Storage and Transport	This material is a Class 5.1 Sub-risk 8 Dangerous Good and a Schedule 6 Poison. Keep locked up and out of reach of children. Store and transport according to Local State or Territory Dangerous Goods and Poisons Regulations. Store in a cool location out of direct sunlight. Store in a well-ventilated area. Store away from organic materials. Always store in original vented container. Keep away from heat sources.
EPG Number	5.1.005
IERG Number	31

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UN Number (Road Transport) 2014

Other Information This MSDS summarises our best knowledge of health and safety hazard information of the product and how to safely handle and use the product.

15. REGULATORY INFORMATION

Poisons Schedule S6

16. OTHER INFORMATION

Technical Contact Point Technical Department:
10-12 Raglan Street,
Preston,
Vic, 3072.
Tel: (03)9416 6700 (BH)
Fax: (03)9416 8516
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