SAFETY DATA SHEET

HYDROGEN PEROXIDE 50%

Infosafe No.: 7EF99
ISSUED Date : 04/10/2016
ISSUED by: JASOL NEW ZEALAND

CLASSIFIED AS HAZARDOUS

1. IDENTIFICATION

GHS Product Identifier
HYDROGEN PEROXIDE 50%

Product Code
2061740, 2182970, 2190230

Company Name
JASOL NEW ZEALAND

Address
81 Leonard Road
Mt. Wellington Auckland
1060 New Zealand

Telephone/Fax Number
Tel: +64 9 580 2105
Fax: +64 9 571 4388

Emergency phone number
0800 243 622

Emergency Contact Address
North Island:
81 Leonard Road, Mt. Wellington, Auckland 1060
Phone: +64 9 5802105
Fax: +64 9 5714388
South Island:
105 Rutherford Street, Christchurch 8023
Phone: +64 3 3844433
Fax: +64 3 3844431

(24 hour a day available)
0800 243622

E-mail Address
jasolnzorders@gwf.com.au

Recommended use of the chemical and restrictions on use
Liquid oxygen bleach for laundries. Dose rate of 80ml per 100kg of dry weight wash is recommended.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
5.1.1B Oxidising substances that are liquids or solids: medium hazard
6.1D (Oral) - Substance that is acutely toxic
6.9B (Single exposure) - Substance that is harmful to human target organs or systems
8.2B Substance that is corrosive to dermal tissue
8.3A Substance that is corrosive to ocular tissue
9.1D Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action
9.3C Substance that is harmful to terrestrial vertebrates

Signal Word (s)
DANGER

Hazard Statement (s)
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H371 May cause damage to organs.
H402 Harmful to aquatic life.
H433 Harmful to terrestrial vertebrates.

Precautionary Statement (s)
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s)
Flame over circle,Corrosion,Exclamation mark,Health hazard

Precautionary statement – Prevention
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles
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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use for extinction.

Precautionary statement – Storage
P405 Store locked up.

Precautionary statement – Disposal
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Hydrogen Peroxide.	7722- 84- 1	45 - 55%
Water	7732- 18- 5	Remainder

4. FIRST-AID MEASURES

Inhalation
If inhaled, remove from contaminated area. To protect rescuer, use an Air-line respirator where an inhalation risk exists. Apply artificial respiration if not breathing. If required seek medical attention.

Ingestion
For advice, contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +64 3 479 7248 or a doctor (at once).

Skin
Remove contaminated clothing and gently flush affected areas with water. Product may penetrate skin and cause severe deep burns. Seek immediate medical attention. Launder clothing before reuse.

Eye contact
If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.Seek medical attention

First Aid Facilities
Eye wash facilities and safety shower should be available

Advice to Doctor
1. Most Important Symptoms and Effects, Both Acute and Delayed:
- No adverse health effects expected if the product is handled in accordance with this SDS and the product label. See Section 11 for more detailed information on health effects and symptoms.
2. Immediate Medical Attention and Special Treatment Needed:
- Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing media appropriate for the surrounding fire. Use water spray or fog, for large quantities.

Specific Hazards Arising From The Chemical
Non-flammable - oxidising agent. May increase fire intensity. Do not expose to heat and ignition sources. May ignite in contact with incompatible materials. May emit irritating, poisonous or corrosive fumes.

Hazchem Code
2P

Decomposition Temperature
Not available

Other Information
Advice for Firefighters:
Evacuate area and contact emergency services. Containers may explode in fire. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Avoid breathing dust or vapours and all contact with eyes and skin. Ventilate area where possible

Methods And Materials For Containment And Cleaning Up
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

Environmental Precautions
Prevent product from entering drains and waterways.

Other Information
Reference to Other Sections:
See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Before use carefully read the product label. Always wear protective equipment to avoid eye or skin contact and inhalation. Wash off spillage from clothing.

Mild steel, brass, bronze and copper equipment should not be used.
Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area, out of reach of children, away from incompatible substances, heat or ignition sources and foodstuffs.
Store in original container with vented lid and ensure containers are adequately labelled, protected from physical damage and sealed when not in use and in a bunded area.
Avoid storage with combustible materials, reducing agents, heavy metals and their salts. Contamination with incompatibles may cause fire or explosion.
Regularly check the condition and temperature of the containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
Material TWA STEL Peak
Hydrogen peroxide 1 (ppm), 1.4 (mg/m3) Not Available Not available

Appropriate Engineering Controls
Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Personal Protective Equipment
Eye / Face:
Wear a faceshield and splash-proof goggles.
Hands:
Wear PVC or rubber gloves.
Body:
Wear coveralls and boots.
Respiratory:
Where an inhalation risk exists, wear an Air-line respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Liquid

Appearance
Liquid

Colour
Clear

Odour
Slight Pungent Odour

Decomposition Temperature
Not available

Melting Point
-52°C

Boiling Point
114°C

Solubility in Water
Miscible

Specific Gravity
1.2

pH
pH (1% solution): Not available
pH (as supplied): 0.3 – 0.7

Vapour Pressure
Not available

Vapour Density (Air=1)
Not applicable

Evaporation Rate

Not available

Viscosity
Not available

Volatile Component
Not available

Flash Point
Not applicable

Auto-Ignition Temperature
Not applicable

Explosion Limit - Upper
Not applicable

Explosion Limit - Lower
Not applicable

10. STABILITY AND REACTIVITY

Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

Chemical Stability
Potential for exothermic hazard. Stable under recommended storage conditions

Conditions to Avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid contamination.

Incompatible materials
Oxidising agent. Incompatible with combustible materials, reducing agents (e.g. sulphites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), metals, heat and ignition sources. May explode if heated.

Hazardous Decomposition Products
May evolve toxic gases if heated to decomposition

Possibility of hazardous reactions
Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in severe and permanent eye, skin and respiratory damage. Upon dilution, the potential for corrosive effects may be reduced.

Ingestion
Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma.

Inhalation
- Over exposure may result in mucous membrane irritation of the respiratory tract, coughing and possible burns.
- High level exposure may result in ulceration of the respiratory tract, breathing difficulties, chemical pneumonitis and pulmonary oedema.

Skin
Contact may result in irritation, redness, pain, rash, dermatitis and possible burns

Eye
Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.Capable of causing severe conjunctivitis.

Respiratory Irritation
-Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.
- For hydrogen peroxide the hazard increases with peroxide concentration.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information provided.

Persistence and degradability
This product is readily biodegradable.

Mobility
Evaporation and adsorption non-significant.

Bioaccumulative Potential
Does not bioaccumulate

Other Adverse Effects
Gaseous hydrogen peroxide is recognized to be a key component and product of the earth's lower atmospheric photochemical reactions, both in a clean and polluted atmosphere. Hydrogen peroxide released to the atmosphere will degrade quite rapidly. Hydrogen peroxide is not expected to accumulate in the food chain.

13. DISPOSAL CONSIDERATIONS

Waste Disposal
Absorb with double volume of 90:10 mixture of sand-soda ash mixture. Mix thoroughly. Using a plastic scoop, slowly add to a large beaker of sodium sulphite solution (3-4 litres), stirring. Neutralise with dilute sulphuric acid. Once settled, decant sulphate solution and discard of residue to an approved landfill site. Small amounts can be diluted with excess water and flushed to sewer.

Local Legislation
Recycle where possible otherwise ensure that:
- Licenced contractors dispose of the product and its container.
- Disposal occurs at a licenced facility.

14. TRANSPORT INFORMATION

U.N. Number
2014

UN proper shipping name
HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Transport hazard class(es)
5.1

Sub.Risk
8

Packing Group
II

Hazchem Code
2P

IERG Number
31

UN Number (Sea Transport)
2014

UN Number (Road Transport)
2014

UN Number (Air Transport, ICAO)
2014

IATA/ICAO Hazard Class
5.1

IATA/ICAO Packing Group
II

IATA/ICAO Sub Risk
8

LIMITED QUANTITY - Max Net Quantity/Pkge
1L

IMDG UN No
2014

IMDG Hazard Class
5.1

IMDG Sub. Risk
8

IMDG Pack. Group
II

IMDG Subsidiary Risk
8

IMDG EMS
Fire: F-H, Spill: S-Q

15. REGULATORY INFORMATION

National and or International Regulatory Information
Hydrogen peroxide (CAS: 7722-84-1) is found on the following regulatory lists;
'GESAMP/EHS Composite List - GESAMP Hazard Profiles', 'IMO IBC Code Chapter 17: Summary of minimum requirements', 'IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk', 'International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs', 'International Air Transport Association (IATA) Dangerous Goods Regulations', 'New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals', 'New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data', 'New Zealand Hazardous Substances and New Organisms (HSNO) Act - Dangerous Goods', 'New Zealand Inventory of Chemicals (NZIoC)','New Zealand Workplace Exposure Standards (WES)','OECD Representative List of High Production Volume (HPV) Chemicals'.
Water (CAS: 7732-18-5) is found on the following regulatory lists;
'IMO IBC Code Chapter 18: List of products to which the Code does not apply', 'New Zealand Inventory of Chemicals (NZIoC)', 'OECD Representative List of High Production Volume (HPV) Chemicals'.

HSNO Approval Number
HSR001326

Other Information
Specific advice on controls required for materials used in New Zealand can be found at http://www.epa.govt.nz/hazardous-substances/approvals/Pages/default.aspx

16. OTHER INFORMATION

Date of preparation or last revision of SDS
15/03/2017

Technical Contact Numbers
24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)
New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)
New Zealand Emergency Services: 111

Other Information
The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.
This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Jasol NZ cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.
If clarification or further information is needed, the user should contact their Jasol NZ representative or Jasol NZ at the contact details on page 1.
Jasol NZ's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

END OF SDS