

SAFETY DATA SHEET

PEROXIL : SANITISER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name PEROXIL
Product Code 152
Product Use Sanitiser for food processing areas. Peracetic acid 5%
Company Name Byre Chemicals
Address 3/43 Byre Avenue
 Somerton Park SA 5044
Telephone 08 8350 9228
Fax 08 8350 9334
Emergency phone no. 0412 426 697
Email info@byrechemicals.com.au

2. HAZARDS IDENTIFICATION

GHS Classification H272 May intensify fire : oxidiser Category 2
 H290 May be corrosive to metals Category 1
 H302 Harmful if swallowed Category 4
 H312 Harmful in contact with skin Category 4
 H314 Causes severe skin burns and eye damage Category 1A
 H318 Causes serious eye damage Category 1
 H332 Harmful if inhaled Category 4
 H335 May cause respiratory irritation Category 3

Signal Word DANGER

Hazard Statement Harmful if swallowed
 Causes severe burns and eye damage

Precautionary Statement

Avoid contact with skin and eyes
 Wear eye protection and rubber gloves.
 Avoid inhaling mists. May cause respiratory irritation.
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.
 Splashes on skin to be washed off immediately
 If splashed into eyes , remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.
 Keep away from heat. Do not store near combustibles.
 Keep containers tightly closed and store in a lock-up facility.

Pictograms



3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Hydrogen Peroxide	7722-84-1	20 - 30 %
Acetic Acid	64-19-7	5 - 10 %
Peracetic Acid	79-21-0	5 - 5.5 %
Water		Balance

BYRE CHEMICALS

PEROXIL: SANITISER

4. FIRST-AID MEASURES

INHALATION	<i>Avoid generating mists. Remove casualty from contaminated area Keep patient sitting in upright position</i>
INGESTION	<i>If swallowed Do Not induce vomiting. Rinse mouth. Give large quantities of water. If breathing has stopped, give artificial respiration. Transport to hospital immediately.</i>
SKIN	<i>If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.</i>
EYE	<i>Possible loss of eyesight. Hold eyelids apart and flood the eye continuously with water for at least 10 minutes. Seek medical attention</i>
FIRST AID	<i>Initial focus is on the local action, signs of irritation of the respiratory tract such as coughing, burning behind the sternum, tears, burning in the eyes or nose. There is a risk of pulmonary oedema. Eye wash. Safety shower , hand wash basin</i>
ADVICE TO DOCTOR	<i>Possible loss of eyesight Superficial irritations and damage up to ulcerations and scarring develop on the skin</i>

5. FIREFIGHTING MEASURES

Extinguishing Media	<i>Water spray, Carbon dioxide, Dry powder or Foam</i>
Hazards from Combustion	<i>Material supports combustion Involved in fire, it may decompose yielding oxygen</i>
Precaution for Firefighter	<i>Wear chemical suit. Prevent run off from entering drains and waterways. HAZCHEM 2P</i>

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE

*Evacuate all unauthorised personnel. Do not breathe fumes or handle damaged containers
For small spills hose down area. For large spills absorb onto an inert material such as dirt or sand.
The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.
Dispose of waste according to applicable local and national regulations*

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

*Wear appropriate protective clothing
Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use.
Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities*

CONDITIONS FOR SAFE STORAGE

Corrosive liquid . Store in a cool, dry, well ventilated area away from sources of ignition , strong acids, foodstuffs and clothing. Large quantities should be stored in a bunded dangerous goods store. Prevent contact with aluminium, tin, zinc or galvanised iron .Store in original containers

PEROXIL : SANITISER**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limits	Hydrogen peroxide TWA 1 ppm (1.4 mg/m ³) Acetic acid TWA 10 ppm (25 mg/m ³) STEL 15 ppm
Engineering Controls	This substance is hazardous Adequate ventilation required so exposure limits are not exceeded.
Eye Protection	Safety glasses with side shields should be used.
Hand Protection	Wear gloves of impervious material such as neoprene, or nitrile rubber.
Hygiene Measures	Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.
Skin & Body Protection	Wear rubber apron Wear an approved respirator where handling large quantities is unavoidable. Provide for installation of emergency shower and eye bath

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Stinging
pH	Approx. 0.6 at 20C
Boiling Point	Above 100C
Vapour Pressure	27 hPa @ 20C
Flash Point	Not available
Specific Gravity	1.12
Molecular Weight	34
Decomposition Temp.	Above 60C
Auto Ignition Temp.	395C
Solubility in Water	Miscible in all proportions. Evolves heat on dilution with water.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling
Conditions to avoid	Excess heat exposure , sun. Danger of decomposition under influence of heat.
Incompatible materials	Impurities, decomposition catalysts, metal salts, alkalis, reducing agents, non ferrous heavy metal, aluminium, zinc, flammable materials, organic solvents.
Hazardous decomposition	May lead to self accelerated exothermic decomposition and the formation of oxygen, steam, acetic acid.
Hazardous polymerization	No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD ₅₀ (Rat) 50 - 500 mgm/kg Inhalation LC ₅₀ (Rat) 4.08 mg/lt 4 hour
Ingestion	Corrosive. Harmful if swallowed. May cause burns to mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring
Eyes	Corrosive. Causes severe burns which can result in permanent injury or blindness
Skin	Causes severe irritation and if untreated burns
Inhalation	Harmful. Headache, vertigo, nausea. Health injuries may be delayed. Vapours may cause drowsiness and giddiness. Risk of pulmonary edema.
Carcinogenic	No evidence of carcinogenic properties
Chronic Effects	Repeated or prolonged skin contact may cause chronic dermatitis.

PEROXIL : SANITISER**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Toxic to aquatic life
Persistence/Degradability	98% biodegradable.
Mobility	Soluble in water
Bioaccumulative Potential	Low
Environmental	Do not discharge into drains, sewers, waterways

13. DISPOSAL CONSIDERATIONS

Spills & Disposal	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition.
Disposal	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State

14. TRANSPORT INFORMATION

Transport Information	This material is classified as Dangerous Goods 5.1
Proper Shipping Name	HYDROGEN PEROXIDE & PEROXYACETIC ACID MIXTURES
UN.NO.	3149
Packaging Group	11
Hazchem Code	2P
DG Class	5.1 Oxidising Substance
Subsidiary Risk	8 Corrosive substance

15. REGULATORY INFORMATION

Regulatory Information	Classified as hazardous according to criteria of NOHSC Poisons Schedule S5
Hazard Category	Corrosive, irritant to skin
Risk Statement	Causes severe burns.
Safety Statement	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.

16. OTHER INFORMATION

Preparer Signature	Technical Director
Contact	Telephone: 08 8350 9228 24 hour emergency number 0412 426 697

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