1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>GOLD CROSS HYDROGEN PEROXIDE 6%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>6% HYDROGEN PEROXIDE ● HYDROGEN PEROXIDE ● PROBIOTEC HYDROGEN PEROXIDE</td>
</tr>
</tbody>
</table>

1.2 Uses and uses advised against

<table>
<thead>
<tr>
<th>Uses</th>
<th>DEODORISER ● ULCER CLEANSER ● WOUND CARE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Used for wound and ulcer cleansing and deodorising.</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the product

<table>
<thead>
<tr>
<th>Supplier name</th>
<th>PROBIOTEC LIMITED (BIOTECH PHARMACEUTICALS PTY LTD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>83 Cherry Lane, Laverton North, VIC, 3026, AUSTRALIA</td>
</tr>
<tr>
<td>Telephone</td>
<td>(03) 9278 7555; 1800 620 898</td>
</tr>
<tr>
<td>Fax</td>
<td>(03) 9369 6730</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:info@probiotec.com.au">info@probiotec.com.au</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.probiotec.com.au">http://www.probiotec.com.au</a></td>
</tr>
</tbody>
</table>

1.4 Emergency telephone numbers

| Emergency                  | (03) 9278 7555; 1800 620 898                      |

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS classifications Serious Eye Damage / Eye Irritation: Category 2A

2.2 GHS Label elements

<table>
<thead>
<tr>
<th>Signal word</th>
<th>WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pictograms</td>
<td>![Exclamation Mark]</td>
</tr>
</tbody>
</table>

Hazard statements

H319 Causes serious eye irritation.

Prevention statements

P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statements

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage statements

None allocated.

Disposal statements

None allocated.
2.3 Other hazards
No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>7722-84-1</td>
<td>231-765-0</td>
<td>6%</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>&gt;60%</td>
</tr>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye: 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.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Ingestion: For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Rinse mouth out with water and give plenty of water to drink.

First aid facilities: Eye wash facilities and safety shower should be available.

4.2 Most important symptoms and effects, both acute and delayed

Irritating to the eyes and skin.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases when heated to decomposition. May ignite in contact with incompatible materials.

5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of 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.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.
7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Light sensitive.

7.3 Specific end uses
No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
Exposure standards

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ppm</td>
<td>mg/m³ ppm</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>SWA (AUS)</td>
<td>1</td>
<td>1.4</td>
</tr>
</tbody>
</table>

**Biological limits**
No biological limit values have been entered for this product.

8.2 Exposure controls
**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

**PPE**
- **Eye / Face** Wear splash-proof goggles.
- **Hands** Wear PVC or rubber gloves.
- **Body** When using large quantities or where heavy contamination is likely, wear coveralls.
- **Respiratory** Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>CLEAR COLOURLESS LIQUID</td>
</tr>
<tr>
<td>Odour</td>
<td>SLIGHT ODOUR</td>
</tr>
<tr>
<td>Flammability</td>
<td>NON FLAMMABLE</td>
</tr>
<tr>
<td>Flash point</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Boiling point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Melting point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>pH</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Vapour density</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.02</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>SOLUBLE</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>
9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

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

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Polymerization will not occur.

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

10.5 Incompatible materials
Incompatible with combustible materials, reducing agents (e.g. sulphites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), metals, heat and ignition sources. Potential oxidising agent.

10.6 Hazardous decomposition products
May evolve toxic gases when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXIDE</td>
<td>805 mg/kg (rat)</td>
<td>1200 mg/kg (mouse)</td>
<td>2000 mg/m³/4 hours (rat)</td>
</tr>
</tbody>
</table>

Skin: Contact may result in irritation, redness, rash and dermatitis.

Eye: Causes serious eye irritation. Contact may result in irritation, lacrimation, pain and redness.

Sensitisation: Not classified as causing skin or respiratory sensitisation.

Mutagenicity: Not classified as a mutagen.

Carcinogenicity: Not classified as a carcinogen. Hydrogen peroxide is not classifiable as to its carcinogenicity to humans (IARC Group 3).

Reproductive: Not classified as a reproductive toxin.

STOT - single exposure: Over exposure to vapours may result in respiratory irritation, nausea, dizziness and headache. High level exposure may result in drowsiness and breathing difficulties.

STOT - repeated exposure: Not classified as causing organ damage from repeated exposure. Adverse effects are generally associated with single exposure.

Aspiration: Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.
12.4 Mobility in soil
No information provided.

12.5 Other adverse effects
No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal
Reuse where possible. Alternatively, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).

Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

<table>
<thead>
<tr>
<th>14.1 UN Number</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG /IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 Proper Shipping Name</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG /IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG /IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing Group</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG /IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
Not a Marine Pollutant
14.6 Special precautions for user

<table>
<thead>
<tr>
<th>Hazchem code</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG /IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Poison schedule
Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications
Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes
Xi Irritant

Risk phrases
R36 Irritating to eyes.

Safety phrases
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36 Wear suitable protective clothing.

Inventory listings
AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information
WORKPLACE CONTROLS AND PRACTICES: Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.
PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH  American Conference of Governmental Industrial Hygienists  
CAS #  Chemical Abstract Service number - used to uniquely identify chemical compounds  
CNS  Central Nervous System  
EC No.  EC No - European Community Number  
EMS  Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)  
GHS  Globally Harmonized System  
GTEPG  Group Text Emergency Procedure Guide  
IARC  International Agency for Research on Cancer  
LC50  Lethal Concentration, 50% / Median Lethal Concentration  
LD50  Lethal Dose, 50% / Median Lethal Dose  
mg/m³  Milligrams per Cubic Metre  
OEL  Occupational Exposure Limit  
pH  relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm  Parts Per Million  
STEL  Short-Term Exposure Limit  
STOT-RE  Specific target organ toxicity (repeated exposure)  
STOT-SE  Specific target organ toxicity (single exposure)  
SUSMP  Standard for the Uniform Scheduling of Medicines and Poisons  
SWA  Safe Work Australia  
TLV  Threshold Limit Value  
TWA  Time Weighted Average  

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ("SDS").

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmtglobal.com

[ End of SDS ]