SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier: **Hydrogen Peroxide 3% (10 Vol) 100 mL**
Hydrogen Peroxide 6% (20 Vol) 100 mL
Synonyms: **5000023619, 5000023620**

Contact: Evaris Pharma
Address: 25-29 Delawney Street
Balcatta, Western Australia, 6021

Telephone number: +61 8 9441 7800
Australia Emergency telephone: **Poisons Information Centre: 13 11 26**
New Zealand Emergency telephone: **National Poisons Center: 0800764766**

Recommended use: Cleansing and debridement of wounds
Restrictions on use: None

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Eye Irritant Category 2 (H319)

Label Elements

Warning!

Hazard statement(s)

Causes serious eye irritation.

Precautionary statement(s)

Wash hands thoroughly after handling.
Wear eye protection.
IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration	Substance Classification
Hydrogen Peroxide	7722-84-1	<8%	Oxidizing Liquid Category 1 (H271) Acute Toxicity Category 4 (H302, H332) Skin Corrosion Category 1A (H314) Eye Damage Category 1 (H318)

			Specific Target Organ Toxicity Category 3 (respiratory irritation) (H335)
Etidronic Acid	2809-21-4	<1%	Corrosive to Metals Category 1 (H290) Acute Oral Toxicity Category 4 (H302) Eye Damage Category 1 (H318)

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4. FIRST-AID MEASURES

Inhalation: Move to fresh air. If irritation persists, get medical attention.
Skin contact: Wash with soap and water. If irritation persists get medical attention. Remove contaminated clothing and launder it before reuse.
Eye contact: Immediately flush eyes with water while lifting the upper and lower lids for at least 15 minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.
Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes eye irritation. May irritate skin. Inhalation of vapors or mists may irritate the upper respiratory tract.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not usually required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use any media suitable for the surrounding fire.

Specific hazards arising from the chemical: Not flammable or combustible. Thermal decomposition may generate oxygen.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Do not use combustible materials such as sawdust or paper products. Collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye contact. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Wear protective goggles when mixing or using.

Conditions for safe storage, including any incompatibilities: Protect containers from physical damage. Store below 25ºC. Keep containers closed. Protect from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Hydrogen Peroxide	1 ppm TWA ACGIH TLV 1 ppm TWA AU OEL 1 ppm TWA NZ OEL
Etidronic Acid	None Established

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels and maintain levels below the occupational exposure limits.

Individual protection measures:
Respiratory protection: None needed under normal use conditions. If exposure levels are exceeded or irritation is experienced, an approved supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with applicable regulations and good Industrial Hygiene practice.
Skin protection: Wear impervious gloves for mixing or using.
Eye protection: Chemical safety goggles recommended.
Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.): Clear, colorless liquid.
Odour: Faint odour

Odour threshold: Not applicable	**pH:** >2.0-3.0
Melting point/freezing point: Not determined	**Boiling Point:** Not determined
Flash point: None	**Evapouration rate:** Not determined
Flammability (solid, gas): Not applicable	**VOC:** Not determined
Flammable limits: LEL: None	**UEL:** None
Vapour pressure: Not determined	**Vapour density:** Not determined
Relative density: 1.0-1.04	**Solubility(is):** Not determined
Partition coefficient: n-octanol/water: Not determined	**Auto-ignition temperature:** Not determined
Decomposition temperature: Not determined	**Viscosity:** Not determined
Particle Characteristics: Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.
Chemical stability: Excessive heat could cause the product to become unstable.
Possibility of hazardous reactions: None known.

Conditions to avoid: None known.
Incompatible materials: Avoid metals and their salts, reducing agents and alkaline materials.
Hazardous decomposition products: Thermal decomposition may yield oxygen.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:
Inhalation: Inhalation of mists may cause irritation of the mucous membranes and upper respiratory tract.
Ingestion: Swallowing may cause gastrointestinal irritation and other adverse effects.
Skin contact: May cause skin irritation and bleaching of the skin.
Eye contact: Contact may cause severe irritation with redness, pain and tearing.
Chronic Effects: None known.

Acute Toxicity Values: Acute Toxicity Estimate (ATE) Oral >5000 mg/kg
Hydrogen Peroxide: LD50 oral rat 1193 mg/kg; LC50 inhalation rat >170 mg/m3.
Etidronic Acid: LD50 oral rat 1878 mg/kg

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory Sensitization: Not classified.

Skin Sensitization: Not a sensitizer.

Germ Cell Mutagenicity: Components are not germ cell mutagens. Hydrogen peroxide was mutagenic in the Ames test.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, or ACGIH.

Reproductive Toxicity: Components are not reproductive toxins.

Specific Target Organ Toxicity (STOT) – single exposure: Not classified.

Specific Target Organ Toxicity (STOT) – repeated exposure: Not classified.

Aspiration Hazard: Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity values: Hydrogen Peroxide: LC50 Pimephales promelas 16.4 mg/L/96 hr.
Persistence and degradability: Hydrogen peroxide is readily degradable.
Bioaccumulative potential: No data available
Mobility in soil: No data available.
Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
IMDG	None	Not Regulated			
IATA	None	Not Regulated			
ADG	None	Not Regulated			

Hazchem Code: Not applicable
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5.
Australia Inventory: This product is a drug and is exempt from AICS.
New Zealand Inventory: This product is a drug and is exempt from HSNO regulations.
HSNO Number: Not Applicable
Agricultural Compounds and Veterinary Medicines Act 1997: Not applicable.
Montreal Protocol: Not applicable
Stockholm Convention: Not applicable
Rotterdam Convention: Not applicable
Basel Convention: Not applicable
International Convention on the Prevention of Pollution from Ships (MARPOL): Not applicable

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 0 Instability = 0
HMIS Rating: Health = 2 Flammability = 0 Physical Hazard = 0

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Full Text of GHS Classification and H Phrases from Section 3:
H271 May cause fire or explosion; string oxidizer,
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

List of Abbreviations or Acronyms:
ACGIH American Conference of Industrial Hygienists
ADG Australian Dangerous Goods
AICS Australian Inventory of Chemical Substances
AU Australia
EC Effective Concentration
EU European Union

GHS Globally Harmonized System of Classification and Labelling of Chemicals
HSNO Hazardous Substances and New Organisms
IARC International Agency of Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
LC Lethal Concentration
LD Lethal Dosage
LEL Lower Explosive Limit
NTP National Toxicology Program
NZ New Zealand
OEL Occupational Exposure Limits
US OSHA United States Occupational Safety and Health Administration
PEL Permissible Exposure Limit
SDS Safety Data Sheet
STEL Short Term Exposure Limit
TWA Time-Weighted Average
UEL Upper Explosive Limit
VOC Volatile Organic Compounds
WES Workplace Exposure Standards
WHS Work Health and Safety

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