

# Gryphon Environmental Technologies Pty Ltd

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

PRODUCT NAME: **Purox Gel**  
Uses: Air and Surface Sanitation in healthcare settings  
Company: Gryphon Environmental Technologies Pty Ltd, Rosebery, NSW, 2018  
+61 2 9381 1005  
Emergency (24 hours): +61 417217473

### SECTION 2: HAZARDS IDENTIFICATION

According to GHS Classification and Labelling of chemicals, Safe work Australia:  
Eye irritation, category 2

According to Australian SUSMP:  
Poison Schedule 5

According to ADG/IATA/IMDG:  
Not classified

#### Label elements:

#### For bulk products (in work place)

Signal word:  
WARNING

Pictogram:



Hazard statement:

GHS:  
H319: Causes serious eye irritation

Precautionary statements Prevention

GHS:  
P264, Wash ... thoroughly after handling.  
P337+P313P If eye irritation persists get medical advice/attention.  
P280, Wear protective gloves/protective clothing/eye protection/face protection.  
[As modified by IV ATP]  
P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

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**For consumer product label: per Australian SUSMP with the following wordings:**

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS

Warning statement: Irritant

Safety Directions: Avoid contact with eyes

First aid:

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor (at once)

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

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

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS Number	% w/w
Hydrogen peroxide	7722-84-1	4 - 6
Ingredients determined non-hazardous	Proprietary	7 - 16
Water	7732-18-5	78 - 89

## SECTION 4: FIRST AID

Swallowed: Rinse mouth. Do NOT induce vomiting.

Eye contact: Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

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

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a doctor physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Use water spray, alcohol resistant foam, dry chemical, carbon dioxide to extinguish.

### Special hazards arising from the substance or mixture:

Hazardous decomposition products may be released during prolonged heating: smoke, carbon monoxide and carbon dioxide.

### Advice for firefighters:

Exercise caution when fighting any chemical fire.

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## Protective equipment for firefighters:

Use self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self-contained breathing apparatus.

## Other information:

Hazardous decomposition products may be released during prolonged heating at temperatures exceeding 100°C - smokes, carbon monoxide and dioxide.

**Hazchem code:** None assigned.

## SECTION 6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear PPE specified in section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid eye contact, skin or clothing. Wash hands thoroughly after handling.

Wear PPE specified in section 8.

Conditions for safe storage: Store in a cool place and out of direct sunlight. Keep containers closed at all times –check regularly for leaks.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits (Safe work Australia):

Name	CAS No	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Notes
Hydrogen peroxide	7722-84-1	1	1.4	-	-	

**UK Long-term exposure limit (8-hour TWA):** WEL 1 ppm 1.4 mg/m<sup>3</sup>

**US OSHA**

**PEL-TWA** 1 ppm (1.4 mg/m<sup>3</sup>)

## **Personal protective equipment:**

Wear protective gloves, protective clothing, eye protection.

Skin protection: Handle with gloves.

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Body Protection for handling bulk products: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection for handling bulk product: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** White semi solid gel.

**Solubility:** Partially soluble in water.

**Specific Gravity (25°C):** 1 – 1.2

**Rel Vapour Density (air=1):** N Av

**Boiling Point (°C):** N Av

**Vapour Pressure (20°C):** N Av

**Flash Point (°C):** N Av

**pH:** 2 - 4

**Viscosity (20°C):** NA

N Av = Not available N A = Not applicable

## SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Excessive heat.
Materials to avoid:	Brass, Copper, Powdered metals, Iron, Iron and iron salts.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide.
Hazardous reactions:	None assigned.

## SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology testings on animals of this products have not been done

Based on GHS classifications of the ingredients the following health effects are predicted:

### Acute Effects

**Eye contact:** Causes serious eye irritation.

**Inhalation:** No adverse effects expected, however avoid inhalation of the bulk product during manufacturing.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

No LC50 data available for product.

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## **Mobility**

No data available for product.

Avoid contaminating waterways.

None of the ingredients are classified as PBT or vPvB.

Readily biodegradable

## SECTION 13: DISPOSAL CONSIDERATIONS

Avoid release to the environment.

Dispose of content and container according to local/national/international regulations.

## SECTION 14: TRANSPORT INFORMATION

### **Road and Rail Transport (ADG)**

Not classified

### **Marine Transport (IMDG)**

Not classified

### **Air Transport (IATA)**

Not classified

## SECTION 15: REGULATORY INFORMATION

### **Country/Region Inventory Status**

All components of this material are listed on the AICS, NZIoC, TSCA, DSL, REACH, CSCL.

## SECTION 16: OTHER INFORMATION

Date of SDS preparation: 14/4/2023

“The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet, which involves using the product, or otherwise that in accordance with instructions of use on product packaging is the responsibility of the user. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Gryphon Environmental Technologies Pty Ltd.

END