

ENVIRO.GIENE

Safety Data Sheet

ISSUE DATE: 01/08/2023

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1. Identification

GHS Product identifier: ENVIRO.GIENE
Company Name Address: HY.GIENE Australia Pty. Ltd.
9/8 Garden Road, CLAYTON, VIC3168
Telephone: (03) 9729 3946
Emergency contact: 1800 616 930
Recommended use: Multipurpose Degreaser Cleaner and Disinfectant
Other Information: **Hospital Grade Disinfectant - Kills 99.99% of germs including Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella choleraesuis and CORONAVIRUS SARS-CoV-19 (COVID-19) at the dilution rate of 1:4 (20%).**

Other names:

2. Hazard Identification

Statement of Hazardous Nature

Hazardous according to the criteria of Safe Work Australia.
NOT a Dangerous Good according to the Australian Dangerous Goods (ADG) Code version 7.

GHS Signal Word (s) **WARNING**

Hazard Statement(s) H315 Causes skin irritation.
H320 Causes eye irritation.

GHS Pictogram (s)



Precautionary statement(s)

Prevention P233+P234: Keep only in original container. Keep container tightly closed.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response P353 Rinse skin or shower with water.
P301+P330+P338: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338: IF iLN EYES: Rinse with water for several minutes.
Remove contact lenses, if present, and continue rinsing.
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.
P391: Collect spillage in absorbent.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.

Storage None Allocated
Disposal None Allocated

3. Composition/Information on Ingredients

Chemical characterization Formulated with 'Third Generation' QACs
compounds Aqueous blend of surfactants, alkali salts and quaternary ammonium

Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Proportion</u>	<u>Hazard symbol</u>	<u>Risk phrase</u>
Butyl Glycol Ether	111-76-2	LOW	Xi	R36/38
Quaternary Ammonium Compounds	107028-70-6	V LOW	Xi	R36/38
Potassium Hydroxide	1310-58-3	V LOW	Xi	R36/38

KEY: Proportion, (wt %) V HIGH >60, HIGH 30 - 60, MED 10 –29, LOW 1-9, V LOW <1

4. First Aid Measures

Ingestion:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Skin:	Wash off with soap and plenty of water.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
First Aid Facilities	Maintain eyewash and safety shower in work area.
Advice to Doctor	Treat symptomatically.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26 and New Zealand 0800 764 766) or a doctor.

5. Fire Fighting Measures**Suitable extinguishing media**

Use extinguishing media most appropriate for the surrounding fire such as water, foam or dry agent (carbon dioxide, dry chemical powder). If safe to do so, move undamaged containers from the fire area. If a significant quantity (>200L) of this product is involved in a fire, call the fire brigade.

Hazchem Code: Not applicable.

Specific hazards arising from the chemical

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating.

Precautions in connection with fire

Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing mist. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

Clean-up Methods

Small Spillages	Minor spills do not require special clean up measures or emergency procedures. Wear recommended personal protective equipment outlined in Section 8 when containing any spillage.
Large Spillages	Seek expert advice on handling and disposal.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways

7. Handling and Storage

Precautions for Safe Handling	Product is safe to handle under normal conditions of use.
Conditions for safe storage	

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be resealed and kept upright to prevent leakage.

Incompatible products None known
Incompatible materials None known

8. Exposure Controls/Personal Protection

SWA exposure limits

<u>Name</u>	<u>STEL</u> (mg/m ³)	<u>TWA</u> (mg/m ³)
Butyl Glycol Ether	242	96.6
Quaternary Ammonium Compounds	Not Set	Not Set
Potassium Hydroxide	-	2

STEL - Short Term Exposure Limit, TWA – Time Weighted Average

Appropriate engineering controls In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

Personal Protective Equipment. Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken

Respiratory Protection Usually, no respirator is necessary when using this product.
Eye Protection The use of safety glasses with side shield protection is recommended when using this product. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Hand Protection Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Hand protection should comply with AS 2161,

Footwear Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Hygiene Measures Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

9. Physical and Chemical Properties

Appearance	Thin, clear, yellow-coloured liquid
Odour	Scented (eucalyptus)
Melting Point	~0 °C
Boiling Point	~ 100 °C
Flash point	Not applicable
Vapour Pressure	Not determined
Solubility	Miscible with water in all proportions.
Specific Gravity	1.0 g/cm ³ @ 20 °C
pH	11.0 to 11.5 (as supplied)
Viscosity	Not determined
Percent volatile	> 90 %
Flammability	Non flammable

10. Stability and reactivity

Chemical stability Stable under normal conditions of use.

Conditions to avoid No special conditions. Refer to storage conditions in Section 7.

Incompatible materials None known.

Hazardous decomposition products Carbon monoxide, carbon dioxide and possibly oxides of nitrogen.

Hazardous reactions None.
Hazardous polymerization Will not occur.

11. Toxicological Information

Local Effects Irritant: eye, skin.
Target Organs Eyes and skin.

12. Ecological Information

Ecotoxicity Data from 50% quaternary ammonium compound:
Fish Toxicity (*Zebra Fish*): LC50, 1-10 mg/L
% Biological elimination: 35-70% [Method: OECD 302B]

Persistence and degradability Biodegradable.

13. Disposal Considerations

Disposal The small quantities contained in wash solutions can be handled by conventional sewage, septic and grey water systems. To dispose of large quantities of undiluted product, refer to State Land Waste Management Authority. Containers should be emptied as completely as practical before disposal.

14. Transport information

ADG Code This product is NOT a Dangerous Good. No special transport conditions are necessary.

15. Regulatory information

AICS All ingredients listed in the Australian Inventory of Chemical Substances (AICS)
GHS Classification Skin Irritation Category 2
Eye Irritation Category 2
SUSMP None allocated
ADG Code None allocated

16. Other Information

Date of preparation or last revision of SDS - 1/08/2023

Reason for issue: Address change

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions. If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken. Safety Data Sheets are updated frequently. Please ensure you have a current copy.