

Anti-Bacteria Eye Wash Water Preservative Concentrate

Enware's anti-bacteria water preservative is suitable for use in portable eye wash units and gravity fed eye wash units. It preserves water for longer period of time and avoids having to change the water in the eye wash units every month.

KEY FEATURES

- Bacteriostatic preservative
- One bottle preserves 15 to 70 litres, for up to a maximum of 6 months
- Sold in cases of 4 (236ml bottle)
- Suitable for portable eyewash / body spray units. (EL480, EL481, EL482, EL483 models)



PRODUCT CODES

ESS200	Anti-Bacteria Eye Wash Water Preservative Concentrate - Pack of 4 x 236ml Bottles
ESS201	Anti-Bacteria Eye Wash Water Preservative Concentrate - Single Bottle

Due to ongoing Research and Development, specifications may change without notice.
Component specifications may change on some export models.
Refer to warranty statement for warranty details - www.enware.com.au/warranty.

NON-HAZARDOUS CHEMICAL, NON-DANGEROUS GOODS

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: ENWARE EYEWASH CONCENTRATE

Synonyms

ENWARE I ESS200 – EYEWASH CONCENTRATE 240ML

Product Code

ENW/0001

RECOMMENDED USE: A preservative for clean potable water used in portable self-contained emergency eye wash stations. When mixed as directed, Preservative Solution CHG preserves eye wash station water volumes from a minimum of 15 Litres (8 gallons) to a maximum of 75 Litres (40 gallons).

DIRECTIONS:

1. Wear appropriate protective eyewear and gloves for this mixing procedure.
2. Clean portable, self-contained eye wash station with potable water and rinse.
3. Partially fill station with potable water – half capacity is recommended.
4. Add entire contents of 236mL (80Oz) Preservative Solution CHG bottle and mix thoroughly.
5. Finish filling the station, according to the instructions supplied with eye wash.
6. Date and initial inspection tag.

It is recommended that the station be cleaned and the water replaced at 4 months or at a period no longer than 6 months (depending on climatic conditions) when using this product. Eye wash station water should be checked weekly, and any particulates or discoloration suggests that the water be replaced immediately. All test water should be replaced with clean potable water, Replacement potable water for these tests will not reduce the effectiveness of the preservative Solution CHG when performed for a period of six months from date of first introduction of the Preservative Solution CHG to the station. Refer to instructions supplied with eye wash station for further testing procedures.

DO NOT USE IF SEAL IS BROKEN OR MISSING.

Warnings: for use in emergency eye wash stations only. Must be mixed as per directions. Preservative solution CHG must not be used undiluted or in a solution for any other purpose. Do not change the dilution or add other ingredients. Do not use full strength in the eye. In case of contact with eyes in undiluted form, flush with clean water. If you experience any eye pain, change in vision, continued redness or irritation, or if condition worsens after treatment at eye wash station, immediately consult a physician. Keep this and all chemicals out of reach of children. Store in a cool dry place. Use by date is 3 years from manufacture -refer to print on bottle.

Supplier: Enware Pty Ltd.
Street Address: 9 Endeavour Road,
Caringbah, NSW 2229
Australia
Email: safety@enware.com.au
Telephone: +61 2 8536 4000

Manufacturer: Able Westchem

Emergency Telephone number: +61 2 8536 4000 (8.00am-4.30pm: Mon-Fri, AWST)

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2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Chlorhexidine di-gluconate	18472-51-0	<1% (w/w)
Propylene Glycol	57-55-6	1-10% (w/w)
Distilled Water	7732-18-5	Balance

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Breath fresh air or walk into fresh air. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

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Firefighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Take necessary precautions to prevent skin and eye contamination. Avoid inhalation of vapour. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Slippery when spilt. Clean up immediately. Take necessary precautions to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal

Dangerous Goods – Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of vapour.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Always keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Chlorhexidine di-gluconate	-	-	-	-	
Propylene glycol	150	474	-	-	

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment:

Special Note: Personal Protective Equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

The selection of PPE is dependent on a full risk assessment. The risk assessment should consider the work situation, physical form of chemical, handling method and volume, environmental factors and area of application.

If the outcome of risk assessment is considerably low, still manufacturer recommends to use minimum PPE stipulated by the chemical industry practices. Ex: Safety Glasses, Safety Shoes, Impervious Gloves and suitable protective clothing such as long sleeve cloths with buttoned at neck and wrist.

GLOVES, SAFETY SHOES, SAFETY GLASSES, PROTECTIVE CLOTHES



If the handling volume is large and risk of spill exists, wear suitable protective clothing covers unprotected exposed skin area with an overall and a chemical resistant Apron at all times to avoid any injuries.

Available information suggests that gloves made from natural rubber, nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Base Units:	Litres
Form:	Liquid
Colour:	Clear to Light straw
Odour:	Slight Odour
Solubility in water:	Completely soluble
Specific Gravity (20 °C):	1.00 - 1.04
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not applicable

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Official
Safety Data Sheet
(SDS)

This SDS version supersedes
all previous MSDS for the
specified product.



Product: ENW/0001
Issue Date: 2024 MAY
Issued by: PRS
Version: 1.10
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Boiling Point/Range (°C): > 100°C
pH: 5.0 – 7.0

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed. Due to cationic character the material is incompatible with anionic compounds.

Conditions to avoid: Keep away from heat, ignition sources and direct sunlight. Do not freeze.

Incompatible materials: Avoid contact with strong acids, strong alkalis and oxidising agents. Chemically incompatible with anionic compounds. Avoid contacts with sulphates, borates, bicarbonates and chlorides.

Hazardous decomposition products: Combustion or thermal decomposition can release toxic or irritant vapour.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has

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been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material once diluted according to recommendations has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Eco toxicity: No information available.

Persistence and degradability: No information available.

Bio accumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

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MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reasons for issue: Updated product name with customer code in section 01 – Material supply and Company Identification
Issue date: 08/05/2024
Version: 1.00
Able Rating: Green - Alkali

DISCLAIMER:

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. This product was classified according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Revision Version 07.

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