

SAFETY DATA SHEET

Revision #4

Product name: **AQUASEP PRESERVATIVE FOR POTABLE WATER**
Last revised date: 11 May 2015
Expiry: 11 May 2018

1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Aquasep preservative for potable water

MANUFACTURER: Germiphene Corporation
ADDRESS: 1379 Colborne Street East, Brantford, Ontario N3T 5M1
PHONE: 519-759-7100
FAX: 519-759-1625

DISTRIBUTOR: Guardian Equipment Inc.
ADDRESS: 1140 N. North Branch Street, Chicago, IL 60642 U.S.A.
PHONE: 312-447-8100
EMAIL: info@gesafety.com

EMERGENCY PHONE: CANUTEC 613-996-6666

PRODUCT USE: Preserves potable water in eyewash stations.

2. HAZARD IDENTIFICATION

NOTE: Hazard classification is based on the concentrated product. As expected, the associated product risk decreases with dilution. At the dilution required for use by the label, this product is safe for its intended use and is not expected to irritate the eyes. Always ensure product is diluted according to label instructions prior to use.

GHS Classification:

	Health	Environmental	Physical
Skin Irritation:	Category 2	Acute Toxicity: None Known	
Serious Eye Damage/Irritation:	Category 2	Chronic Toxicity: None Known	

SIGNAL WORD: Warning

SYMBOLS:



Hazard Statements	Precautionary Statements
H320: Causes eye irritation H316: Causes mild skin irritation	P280: Wear appropriate protective gloves/eye protection P264: Wash hands thoroughly after handling. 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 attention. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P362: Take off contaminated clothing and wash before reuse. P332 + P313: If skin irritation occurs, get medical advice/attention.

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HAZARD STATEMENTS: Causes eye irritation.
Concentrated solutions have been known to cause serious eye damage if not promptly rinsed from the eye.
May cause deafness if instilled in the inner ear through perforated eardrums.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:	CAS No:	% wt:	HAZARDOUS:
Chlorhexidine Gluconate	18472-51-0	1	yes
Propylene Glycol	57-55-6	10	yes

4. FIRST AID MEASURES

EYES: Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
SKIN: Remove contaminated clothing and rinse skin thoroughly with water.
INGESTION: Drink plenty of water. If uncomfortable, seek medical attention.
INHALATION: Move into fresh air and keep at rest.
NOTE TO PHYSICIAN: In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney dysfunction may require special treatment.

5. FIREFIGHTING MEASURES

FLAMMABILITY:	No				
COMBUSTIBLE:	No				
HAZARDOUS COMBUSTION PRODUCTS:	N/Av		NPCA/ HMIS	NFPA 704	0=minimal
EXTINGUISHING MEDIA:	None	Health	1	1	1=slight
SPECIAL FIRE FIGHTING PROCEDURES:	None	Flammability	0	0	2=moderate
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None	Reactivity	1	1	3=serious 4=severe

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wipe with absorbent paper, use industrial cleaning compound.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin, and clothing.
STORAGE: Store between 0°C and 30 °C.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not available
ENGINEERING CONTROLS: Ventilation is recommended. Immediately flush eyes and skin with water.

Personal Protective Equipment (PPE)

RESPIRATORY PROTECTION: N/A
EYE PROTECTION: Yes. Goggles recommended.
SKIN PROTECTION: Yes. Protective gloves recommended.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid, colourless to light yellow
ODOUR: Odourless
PHYSICAL STATE: Liquid
pH: 5.0 - 7.0
BOILING POINT: N/Av
FREEZING POINT: N/Av
EVAPORATION RATE: N/Av
VISCOSITY @ 22 ± 1°C: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SPECIFIC GRAVITY @ 22 ± 1°C: 1.00 - 1.10
SOLUBILITY: Infinitely soluble in water.
ODOR THRESHOLD: N/Av
RELATIVE DENSITY: N/Av
FLASH POINT: None
FLAMMABILITY: None
FLAMMABILITY/EXPLOSIVE LIMITS: None

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): None
INCOMPATIBILITY (MATERIAL TO AVOID): None
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None
HAZARDOUS POLYMERIZATION: No
CONDITIONS TO AVOID (POLYMERIZATION): None

11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: Skin and eye contact
SKIN CONTACT: Unknown
EYE CONTACT: May cause eye irritation.
INHALATION: Unknown
INGESTION: Unknown

CHRONIC (LONG TERM) EFFECTS: Unknown

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TOXICITY:

Chlorhexidine Gluconate Oral: LD50 1.8 g/kg (rat)
Propylene Glycol Oral: LD50 20 g/kg (rat), Dermal: LD50 20.8 g/kg
(rabbit)
Eye irritation rabbit (Draize) 500 mg/24h, mild

CARCINOGENICITY: Not a known carcinogen according to the National Toxicology Program 13th Carcinogen Report.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available
MOBILITY: Not available
DEGRADABILITY: No known hazardous degradable products
BIOACCUMULATION: Not available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with Federal, Provincial and Municipal regulations.

14. TRANSPORT INFORMATION

Not classified as a hazardous good under Transport Canada TDG Regulations. Transport Canada considers this product safe for shipment by air, marine, rail, and road.

15. REGULATORY INFORMATION

DANGER SYMBOL:



RISK PHRASES: Warning
USEPA REGULATIONS

TSCA Inventory-all components are listed on the USEPA's TSCA Inventory.
SARA Title III-Hazard Class(es): Acute Health Hazard
SARA Title III-Section 313 Supplier Notification: This product contains no such chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

Canada Controlled Products Regulations Information

Domestic Substance List (DSL)- all components are listed on the DSL.
Components Toxicology Data

Component (CASRN)	LD ₅₀ (Route/Species)	LC ₅₀ (Species)
Propylene glycol (57-55-6)	20,000 mg/kg (oral/rat)	No data available

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Chlorhexidine gluconate (18472-51-0)	1,800 mg/kg (oral/rat)	No data available
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WHMIS Hazard Classification(s) of product: none applicable.
Components on Ingredients Disclosure List: Propylene glycol (CASRN 57-55-6).

16. OTHER INFORMATION

Prepared by: Germiphene Technical Department
Reissue date/Reason for reissue: 20 April 2015 / Added Transport Classification
Intended use of product: Preserves potable water in eyewash stations

Disclaimer

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product or information contained in this Material Safety Data Sheet. All information contained herein is presented in good faith and is believed to be appropriate and accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state, provincial, or local regulations concerning the use, misuse, or disposal of these products.