

# 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	P280: Wear appropriate protective gloves/eye protection
H316: Causes mild skin irritation	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

<b>FLAMMABILITY:</b>	No				
<b>COMBUSTIBLE:</b>	No				
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	N/Av		NPCA/ HMIS	NFPA 704	0=minimal
<b>EXTINGUISHING MEDIA:</b>	None	Health	1	1	1=slight
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	None	Flammability	0	0	2=moderate
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	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 13<sup>th</sup> 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 <sub>50</sub> (Route/Species)	LC <sub>50</sub> (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.*