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## MATERIAL SAFETY DATA SHEET (Finished Products Only)

### Section One: Identity

Plant Name: Encon Hydrosep® Potable Water Additive  
Other Names: Encon Hydrosep® Potable Eyewash Station Preservative  
Ingredients: Demineralized (Deionized) Water – 99.999944%, and Hydrosep® (Chlorhexidine Digluconate Solution) – 0.000056%.

### Section Two: Hazardous Ingredients

Ingredient Name	Potential Hazard	Hazard Rating 0-4	
Para-Chloroaniline PCA (Chlorhexidine 56-55-1) @ 53 ppm	None when used as directed. Mild irritation may occur on contact with large amounts of evaporated or condensed product. Inhalation danger on thermal decomposition of concentrated/evaporated product.	Health	0
		Flammability	0
		Reactivity	0

### Section Three: Physical & Chemical Characteristics

Boiling Point: 98° C  
Percent Volatile: N/A  
Solubility In Water: Soluble  
Specific Gravity: 1.01  
Vapor Density: N/A  
Reactivity In Water: N/A  
Vapor Pressure: N/A  
Evaporation Rate: same as water  
Appearance & Odor: clear, odorless solution  
Flash Point: N/A  
Flammable Limit In Air: not flammable at any level  
Extinguisher Media: Foam, Dry Chemical, CO<sub>2</sub>, Water Fog  
Special Fire-Fighting Procedures: protect from steam exposure; must wear MSHA/NIOSH approved self-contained breathing apparatus  
Auto-Ignition Temperature: N/A (over 99% water)  
Unusual Fire & Explosion Hazards: Thermal decomposition may produce toxic fumes of ammonia, hydrogen chloride, and oxides of carbon and nitrogen as well as sodium and chlorine fumes.

### Section Four: Physical Hazards

Stability: Stable  
Conditions & Materials To Avoid: Long-term storage over 37° C; Short-term storage over 104° C  
Hazardous Decomposition Products: Para-Chloroaniline  
Hazardous Polymerization Probability: Will Not Occur  
Avoid If Decomposed Or Polymerized: Yes

### Section Five: Health Hazards

Safe Frequency & Method Of Use: Repeated use has not been shown to be harmful.  
Signs & Symptoms of Overexposure (Acute Overexposure): None known  
Signs & Symptoms of Overexposure (Chronic Overexposure): Skin and eye irritation or dermatitis  
Medical Conditions Generally Aggravated By Exposure: Dermatitis; Hazardous to middle ear with perforated ear drum (tympanic membrane).  
Contains Carcinogens Or Possible Carcinogens: No  
FDA Monograph: No  
Emergency & First Aid Procedures (for acute over exposure)

1. Inhalation: Flush with water. If irritation occurs and persists, get medical attention.
2. Eyes: Flush with water. If irritation occurs and persists, get medical attention.

3. Skin: Flush with water. If irritation occurs and persists, get medical attention.
4. Ingestion: Ingestion of 1/5 oz. by a small child (~10 kg body weight) might result in gastric distress, including nausea or signs of alcohol intoxication. Medical attention should be sought if more than 1/5 oz. is ingested by a small child or if signs of alcohol intoxication develop.

#### **Section Six: Special Protection Information**

Respiratory Protection: None needed

Ventilation

1. Local Exhaust: OK
2. Mechanical: OK
3. Special: None needed

Protective Clothing & Equipment: None needed

#### **Section Seven: Special Precautions & Spill/Leak Procedures**

Precautions To Be Taken In Handling & Storage: Handle with care.

Other Precautions: None needed

Steps To Be Taken In Case Material Is Released Or Spilled: Flush with water.

Waste Disposal Methods: Flush with water.

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