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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, and Hydrosep[®] (Chlorhexidine Digluconate Solution).

Section Two: Hazardous Ingredients

Ingredient Name	Potential Hazard	Hazard Rating 0-4	
Chlorhexidine Digluconate Solution CAS 18472-51-0 @ 53 ppm C ₂₂ H ₃₀ Cl ₂ N ₁₀ · 2C ₆ H ₁₂ O ₇ UN 3082, Class 9, Packing group III	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, CO₂, 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

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.

While this information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness, or accuracy. Any users or handlers of this product who are not under the direct control of Bio-Medical & Pharm. Mfg. Corp. are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages, or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to serve any and all laws and regulations (federal, state, and local) concerning the transportation, use, handling, storage, and disposal of this product.

OCU/QCA Signed to: Pages 1-2



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