

# Safety Data Sheet

## 1. IDENTIFICATION:

**Product Name:** Electrolyte Concentrate, 1 Gallon  
**Synonyms:** None  
**CAS Number:** Mixture  
**Catalog Numbers:** 10203 W2T14742 U25660  
**Product Use:** Analytical / Laboratory Reagent  
**Manufacturer:** HF Scientific, Inc  
**Address:** 3170 Metro Parkway Fort Myers, FL 33916

**General Information:** 888-203-7248  
**Transportation Emergency Number:** CHEMTREC® 24 hr US 800-424-9300  
CHEMTREC® 24 hr International 703-527-3887


## 2. HAZARDS IDENTIFICATION

### GHS Classification

Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

Health	Environmental	Physical
Acute Toxicity: None Skin Irritation: None Eye Irritation: None	Aquatic Toxicity: None	Flammable: No

### GHS Label

Pictogram:	Signal Word:
	<b>Warning</b>
Hazard Statements	Precautionary Statements
Harmful if swallowed Causes skin irritation Causes serious eye irritation	IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Glycerol	55-81-5	91.2%
Potassium Iodide	7681-11-0	2.6%
Water	7732-18-5	6.2%

## 4. FIRST AID MEASURES

**Eye Contact:** Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention if Irritation Persists.  
**Skin Contact:** Immediately Flush Skin with Plenty of Water for at Least 15 Minutes. Get Medical Attention if Irritation Develops.  
**Inhalation:** Remove to Fresh Air. Get Medical Attention for Any Breathing Difficulty.  
**Ingestion:** If Large Amounts are Swallowed, Give Water and Get Medical Advice.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use Any Means Suitable for Extinguishing Surrounding Fire. Water, Foam, Dry Powder, CO<sub>2</sub>  
**Fire Fighting Procedures:** N/A  
**Unusual Fire and Exposure Hazards:** None  
**NFPA Classification HEALTH:** 1 **FLAMMABLE:** 1 **REACTIVITY:** 0

## 6. ACCIDENTAL RELEASE MEASURES

Use appropriate tools to put the spilled solid in a waste container. Clean surface with water and dispose of spilled material according to local and regional requirements. Wear Appropriate Personal Protective Equipment such as Safety Glasses/Splash Goggles, Latex or Nitrile Gloves, and Lab Coat.

## 7. HANDLING AND STORAGE

**Handling:** Use Personal Protective Equipment in Section 8. Avoid eye contact.  
**Storage:** Keep in a Tightly Closed Container. Store in a Cool, Dry, Ventilated Area. Protect Against Physical Damage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** Not established  
**Engineering Controls:** Maintain General Industrial Hygiene Practices When Using This Product.  
**Personal Protective Equipment:**  
**Eyes:** Safety glasses  
**Skin:** Lab Coat, and Latex or Nitrile Gloves  
**Respiratory:** N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint:** N/A  
**Autoignition Temperature:** N/A  
**Boiling Point:** 171°C (340 °F)  
**Melting Point:** 17.8°C (64 °F)  
**Vapor Pressure:** <0.1

**Vapor Density:** 3.1  
**% Solubility in Water:** Miscible

**Pour Point:** N/A  
**Molecular Formula:** N/A  
**Odor / Appearance:** Viscous, Clear, Liquid

**Lower Flammability Limit:** N/A  
**Upper Flammability Limit:** N/A  
**Flash Point:** 320 °F (CC)  
**Specific Gravity:** 2.165  
**% Volatile:** N/A  
**Evaporation Rate (Water=1):** N/A  
**Viscosity:** N/A  
**Octanol / Water Partition Coefficient:** N/A  
**pH:** N/A  
**Molecular Weight:** N/A

## 10. STABILITY AND REACTIVITY

**Stability / Incompatibility:** Product Stable Under Normal Handling and Storage Conditions. Can react violently with acetic anhydride, calcium oxychloride, chromium oxides and alkali metal hydrides.  
**Hazardous Reactions / Decomposition Products:** No Hazardous Polymerization Will Occur. Toxic fumes may be emitted if heated to decomposition.  
**Conditions to Avoid:** Heat, flames, ignition sources and incompatibilities.

## 11. TOXICOLOGICAL INFORMATION

**Symptoms of Overexposure:** Irritation of skin, eye and respiratory tract.  
**Acute Effects:** Irritation of skin, eye and respiratory tract.  
**Eye Contact:** Irritation of eye.  
**Skin Contact:** Irritation of skin  
**Inhalation:** Irritation of respiratory tract.  
**Ingestion:** Irritation of the gastrointestinal tract.  
**Target Organs Effects:** Eyes, Skin and Respiratory Tract  
**Chronic Effects:** N/A  
**Medical Conditions Aggravated by Exposure:** N/A  
**Acute Toxicity Values:** N/A

## 12. ECOLOGICAL INFORMATION

No Ecological Data Available

## 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

## 14. TRANSPORT INFORMATION

**US DOT (United States Department of Transportation):** Not regulated  
**IATA (International Air Transport Association):** Not regulated  
**IMO (International Maritime Organization):** Not regulated

## 15. REGULATORY INFORMATION

**Glycerol CAS# 56-81-5**  
**CERCLA:** None listed  
**SARA/Title III:** None listed  
**TSCA Inventory:** None listed  
**Cal. Proposition 65:** None  
**WHMIS:** N/A  
**DSL:** Yes  
**NDSL:** No

**Potassium Iodide CAS# 7681-11-0**

**CERCLA:** None listed

**SARA/Title III:** None listed

**TSCA Inventory:** None listed

**Cal. Proposition 65:** None

**WHMIS:** D2A

**DSL:** Yes

**NDSL:** No

**16. OTHER INFORMATION**

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

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