

# Safety Data Sheet

## 1. IDENTIFICATION:

**Product Name:** ELECTROLYTE GEL  
**Synonyms:** N/A  
**CAS Number:** Mixture  
**Catalog Numbers:** 10232 W2T13044 U28039  
**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

Health	Environmental	Physical
Acute toxicity: Category 5 Skin irritation: Category 3 Eye irritation: Category 2B	Aquatic toxicity: None	Flammable: No

### GHS Label

Pictogram: None	Signal Word: WARNING
<b>Hazard Statements:</b> May be harmful if swallowed May be harmful in contact with skin Causes mild skin irritation Causes eye irritation	<b>Precautionary Statements</b> IF IN EYES flush with copious quantities of water. Seek medical assistance if irritation develops.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Glycerol	56-81-5	44%
Water	7732-18-5	40%
Propylene glycol	57-55-6	10%
Potassium chloride	7447-40-7	<5%
Hydroxyethyl cellulose	9004-62-0	<1%
Silver chloride	7783-90-6	<1%

## 4. FIRST AID MEASURES

**Eye Contact:** Flush with Copious Quantities of Water. Seek Medical Assistance if Irritation Develops  
**Skin Contact:** Remove Contaminated Clothing and Shoes Immediately. Wash Affected Area with Soap or Mild Detergent and Large Quantities of Water. Seek Medical Attention if Irritation Develops.  
**Inhalation:** Remove to Fresh Air. Give Artificial Respiration if Breathing has Stopped. Seek Medical Assistance.  
**Ingestion:** If Conscious, immediately Give Large Quantities of Water. Seek Medical Assistance.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water Spray, Dry Chemical, Foam, or Carbon Dioxide  
**Fire Fighting Procedures:** N/A  
**Unusual Fire and Exposure Hazards:** N/A  
**Combustion Products:** N/A  
**NFPA Classification** HEALTH: 2 FLAMMABLE: 1 REACTIVITY: 1

## 6. ACCIDENTAL RELEASE MEASURES

Wear Respirator, Safety Goggles, Rubber Boots, and Heavy Rubber Gloves. Absorb With Sand or Vermiculite and Place in Closed Containers for Disposal. Ventilate Area and Wash Spill Site After Material Pick Up is Complete.

## 7. HANDLING AND STORAGE

**Handling:** Wear Safety Goggles, Latex or Nitrile Gloves, and Lab Coat or Apron.  
**Storage:** Keep Containers Tightly Closed in a Cool, Dry, Ventilated Area. Protect from Physical Damage and Direct Sunlight. Isolate From Incompatible Substances.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**  
OSHA Permissible Exposure Limit (PEL): 0.01 mg/m<sup>3</sup>  
ACGIH Threshold Limit Value (TLV): 10 mg/m<sup>3</sup>

**Engineering Controls:** N/A

**Personal Protective Equipment:**

**Eyes:** Wear safety goggles

**Skin:** Wear Latex or Nitrile gloves and lab coat or apron

**Respiratory:** N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint:** 210°F  
**Autoignition Temperature:** N/A  
**Boiling Point:** N/A  
**Melting Point:** N/A  
**Vapor Pressure:** N/A

**Vapor Density:** N/A  
**% Solubility in Water:** Miscible

**Pour Point:** N/A  
**Molecular Formula:** Mixture  
**Odor / Appearance:** Clear, odorless viscous liquid

**Lower Flammability Limit:** 2.6%  
**Upper Flammability Limit:** 12.5%  
**Specific Gravity:** 1.12  
**% Volatile:** N/A  
**Evaporation Rate (Water=1):** N/A  
**Viscosity:** N/A  
**Octanol / Water Partition Coefficient:** N/A  
**pH:** N/A  
**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Stability / Incompatibility:** Stable Under Normal Conditions of Use and Storage. Avoid Heat, Open Flame, Direct Sunlight, and Incompatibilities.  
**Hazardous Reactions / Decomposition Products:** Hazardous Decomposition Products of Carbon Oxides, Hydrogen Chloride, and Oxides of Potassium. Hazardous Polymerization Will Not Occur.

## 11. TOXICOLOGICAL INFORMATION

**Symptoms of Overexposure:** Irritation of skin, eyes and gastrointestinal tract  
**Acute Effects:** Irritation of skin, eyes and gastrointestinal tract  
**Eye Contact:** Irritation of eyes  
**Skin Contact:** Irritation of skin  
**Inhalation:** N/A  
**Ingestion:** Irritation of gastrointestinal tract  
**Target Organs Effects:** N/A  
**Chronic Effects:** N/A  
**Medical Conditions Aggravated by Exposure:** Pre-existing eye, skin or gastrointestinal conditions  
**Acute Toxicity Values:** N/A

## 12. ECOLOGICAL INFORMATION

No Ecological Data Found

## 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

**CERCLA:** No  
**SARA/Title III:** No  
**TSCA Inventory:** No  
**Cal. Proposition 65:** No  
**WHMIS:** No  
**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.