

**1. IDENTIFICATION:**
**Product Name:** REFERENCE STANDARD SOLUTION

**Synonyms:** N/A

**CAS Number:** Mixture

**Catalog Numbers:** 10451 10451A 10453 10488 10462

**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 Liquid: No

**GHS Label**

Pictogram: No Symbol	Signal Word: WARNING
<b>Hazard Statements</b> May be harmful if swallowed May be harmful in contact with the skin May be harmful if inhaled Causes mild skin irritation Causes eye irritation	<b>Precautionary Statements</b> IF INHALED Remove to Fresh Air. IF IN EYES Immediately Flush with Excess Water for 15 Minutes.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Component	Cas Number	Weight %
Deionized Water	7732-18-5	> 99%
Preservative	N/A	< 1%
Dye	N/A	< 1%

**4. FIRST AID MEASURES**
**Eye Contact:** Immediately Flush with Excess Water for 15 Minutes

**Skin Contact:** Immediately Flush with Excess Water for 15 Minutes. Remove Contaminated Clothing.

**Inhalation:** Remove to Fresh Air.

**Ingestion:** Give Large Quantities of Water. Call Physician.

**5. FIRE FIGHTING MEASURES**
**Suitable Extinguishing Media:** Foam or Dry Chemical

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

**Unusual Fire and Exposure Hazards:** N/A

**Combustion Products:** N/A

**NFPA Classification** HEALTH: 1 FLAMMABLE: 0 REACTIVITY: 0

**6. ACCIDENTAL RELEASE MEASURES**

Wear Proper Personal Protective Equipment. See Section 8 for Additional Information. Remove Liquid with Absorbent Material and Seal in a Bag or Container for Disposal. Wash Spill Area Once Pickup is Complete.

**7. HANDLING AND STORAGE**
**Handling:** Wear Safety Glasses, Latex or Nitrile Gloves, and Lab Coat or Apron. Avoid Contact with Skin and Eyes. Do Not Ingest.

**Storage:** Store at Room Temperature.

**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:** 100 °C, 212 °F

**Melting Point:** 0°C, 32°F

**Vapor Pressure:** 760 mm Hg

**Vapor Density:** N/A

**% Solubility in Water:** Soluble

**Pour Point:** N/A

**Molecular Formula:** Mixture

**Odor / Appearance:** Odorless Red Liquid

**Lower Flammability Limit:** N/A

**Upper Flammability Limit:** N/A

**Specific Gravity:** 1.0

**% Volatile:** N/A

**Evaporation Rate (Water=1):** N/A

**Viscosity:** N/A

**Octanol / Water Partition Coefficient:** N/A

**pH:** Neutral (6.5-7.5)

**Molecular Weight:** Mixture

**10. STABILITY AND REACTIVITY**
**Stability / Incompatibility:** Stable Under Recommended Storage Conditions.

**Hazardous Reactions / Decomposition Products:** No Hazardous Polymerization Will Occur.

**11. TOXICOLOGICAL INFORMATION**
**Symptoms of Overexposure:** Irritation and redness of eye and skin. Irritation of respiratory tract.

**Acute Effects:** Irritation of eyes, skin and gastrointestinal tract.

**Eye Contact:** Irritation of eyes.

**Skin Contact:** Irritation of skin

**Inhalation:** Irritation of respiratory tract.

**Ingestion:** Irritation of gastrointestinal tract.

**Target Organs Effects:** Eyes, Skin and Respiratory Tract

**Chronic Effects:** Ingestion of Large Amounts May Affect Liver or Kidneys.

**Medical Conditions Aggravated by Exposure:** Pre-existing Skin or Eye Problems.

**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**
**CERCLA:** None reported

**SARA/Title III:** Not listed

**TSCA Inventory:** Listed

**Cal. Proposition 65:** None

**WHMIS:** N/A

**DSL:** N/A

**NDSL:** N/A

**16. OTHER INFORMATION**

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