

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION: 2.0 ppm Reference Standard Solution

Catalog Numbers-HF scientific: 10451 10451A 10453

PRODUCT USE: Analytical \ Laboratory Reagent

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

2. HAZARDS IDENTIFICATION

TARGET ORGANS: Skin, Eyes, Central Nervous System, Liver, Kidneys
 ACUTE TOXICITY: May Cause Skin or Eye Irritation
 CHRONIC TOXICITY: Ingestion of Large Amounts May Affect Liver or Kidneys
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing Skin or Eye Problems

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Preservative	Percent
CAS No.	Confidential	< 0.1
Component	Dye	< 0.1
CAS No.	Confidential	
Component	Deionized Water	>99
CAS No.	7732-18-5	

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

FLASH POINT: NA AUTOIGNITION POINT: NA
 FLAMMABILITY LIMITS: UPPER: NA LOWER: NA
 EXTINGUISHING MEDIA: Foam or Dry Chemical

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

PERSONAL PROTECTIVE EQUIPMENT: Safety Glasses, Latex or Nitrile Gloves, and Lab Coat or Apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
 COLOR: Red Solution
 ODOR: Odorless
 FLASH POINT: NA
 FLAMMABLE LIMITS: NA
 AUTOIGNITION TEMPERATURE: NA
 VAPOR PRESSURE: (mm Hg): 760mm
 SPECIFIC GRAVITY: 1.0
 BOILING POINT: 100 °C, 212 °F
 FREEZING POINT: 0°C, 32°F
 MELTING POINT: NA
 SOLUBILITY IN WATER: Soluble
 pH: Neutral (6.5-7.5)

10. STABILITY AND REACTIVITY

Product Stable Under General Use and Storage Conditions. No Hazardous Polymerization Will Occur.

11. TOXICOLOGICAL INFORMATION

Route of Exposure: Skin, Eyes, Ingestion
 Teratogen Status: None Reported
 Mutagen Status: None Reported
 Reproductive Toxicity: None Reported

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

HAZARD CODES: Xi Irritant
 RISK STATEMENTS: 36, 38 Irritating to the Eyes, Irritating to the Skin

SARA/Title III: No
 TSCA Inventory: Yes
 Cal. Proposition 65: No
 WHMIS: No
 DSL: No
 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.