

# Safety Data Sheet

#### IDENTIFICATION:

Product Name: FREE / TOTAL INDICATOR

Synonyms: N/A CAS Number: Mixture

Catalog Numbers: 09991 09942 09935 09936 09992 09937 09938 09947

09948 09991T

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

#### HAZARDS IDENTIFICATION

#### **GHS Classification**

Health	Environmental	Physical
Acute toxicity: Category 4 Skin irritation: Category 1	Aquatic toxicity: None	Flammable: No
Eye irritation: Category 1		
Specific target organ toxicity following repeated exposure: Category 1		

#### **GHS Label**

Pictogram:	Signal Word: WARNING DANGER
Hazard Statements: Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes severe skin burns and eye damage Causes serious eye damage Causes damage to lungs	Precautionary Statements IF SWALLOWED Do NOT Induce Vomiting Unless Directed by Medical Personnel. Never Give Anything By Mouth to an Unconscious Person. Get Medical Attention. IF ON SKIN Immediately Flush Skin with Plenty of Water for at Least 15 Minutes While Removing Contaminated Clothing and Shoes. Wash Clothing Before Reuse. Get Medical Attention. IF INHALED Remove to Fresh Air. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Attention. IF IN EYES Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention. DISPOSE of contents/container in accordance with local/regional/national/international regulations.

### **COMPOSITION / INFORMATION ON INGREDIENTS**

Component	Cas Number	Weight %
Deionized Water	7732-18-5	> 90%
P-Toluenesulfonic Acid	6192-52-5	< 10%

#### 4. **FIRST AID MEASURES**

Eye Contact: Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes. Get Medical Attention.

Skin Contact: Immediately Flush Skin with Plenty of Water for at Least 15 Minutes While Removing Contaminated Clothing and Shoes. Wash Clothing Before Reuse. Get Medical Attention

Inhalation: Remove to Fresh Air. If Not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Attention.

Ingestion: Do NOT Induce Vomiting Unless Directed by Medical Personnel. Never Give Anything By Mouth to an Unconscious Person. Get Medical Attention.

# FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry Chemical, Water Spray, or Foam

Fire Fighting Procedures: N/A

Unusual Fire and Exposure Hazards: N/A

Combustion Products: N/A

NFPA Classification HEALTH: 3 FLAMMABLE: 0 REACTIVITY: 1

# **ACCIDENTAL RELEASE MEASURES**

Take up liquid with absorbent material and place in marked container for disposal. Material May be Neutralized with Dilute Sodium Carbonate. Wear Personal Protective Equipment such as Safety Glasses, Latex or Nitrile Gloves, Lab Coat, and Dust Mask.

#### HANDLING AND STORAGE

Handling: Use Appropriate Personal Protective Equipment Listed in Section 8. Do Not

Ingest. Avoid Contact with Eyes and Skin.

Storage: Keep Container Tightly Closed and Store in a Well Ventilated Area.

#### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limits: N/A

Engineering Controls: No required under normal conditions

Personal Protective Equipment:

Eyes: Safety goggles

Skin: Latex or nitrile gloves and lab coat

Respiratory: N/A

#### PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint: N/A

Autoignition Temperature: N/A

Boiling Point: 100°C Melting Point: N/A Vapor Pressure: N/A

Vapor Density: N/A

% Solubility in Water: Soluble in water

Pour Point: N/A

Molecular Formula: Mixture

Odor / Appearance: Clear, odorless liquid

Lower Flammability Limit: N/A Upper Flammability Limit: N/A Specific Gravity: 1.00 - 1.10

% Volatile: N/A

Evaporation Rate (Water=1): N/A

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

**pH**: 1 − 2, acidic

Molecular Weight: Mixture

#### 10. STABILITY AND REACTIVITY

Stability / Incompatibility: Stable Under Normal Handling and Storage Conditions Hazardous Reactions / Decomposition Products: N/A

# 11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: May Cause Burns of the Eyes, Skin, and Respiratory

Acute Effects: May Cause Burns of the Eyes, Skin, and Respiratory Tract

Eve Contact: Burns to the eyes Skin Conatct: Burns to the skin Inhalation: Burns to respiratory tract

Ingestion: N/A

Target Organs Effects: N/A Chronic Effects: Repeated Inhalation of Dust Can Produce Varying Degree of

Respiratory Irritation or Lung Damage

Medical Conditions Aggravated by Exposure: Pre-existing eye, skin or respiratory

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.

# TRANSPORT INFORMATION

#### US DOT (United States Department of Transportation):

CLASSIFICATION: Class 8 Corrosive Material

IDENTIFICATION: Aryl Sulfonic Acid, Liquid, with not more than 5% free Sulfuric Acid UN NUMBER: 2586

PACKING GROUP: III

# IATA (International Air Transport Association):

CLASSIFICATION: Class 8 Corrosive Material

IDENTIFICATION: Aryl Sulfonic Acid, Liquid, with not more than 5% free Sulfuric Acid UN NUMBER: 2586

PACKING GROUP: III

### IMO (International Maritime Organization):

CLASSIFICATION: Class 8 Corrosive Material

IDENTIFICATION: Aryl Sulfonic Acid, Liquid, with not more than 5% free Sulfuric Acid UN NUMBER: 2586

PACKING GROUP: III

# 15. REGULATORY INFORMATION

DSCL (EEC): R36/37/38-Irritating to Eyes, Respiratory System, and Skin. S26-In Case of Contact with Eyes, Rinse Immediately with Plenty of Water and Seek Medical Advice.

S28-After Contact with Skin, Wash Immediately with Plenty of Water.

S36/37/39-Wear Suitable Protective Clothing, Gloves, and Eye/Face Protection.

#### US / CANADA INFORMATION:

OSHA: Hazardous By Definition of Hazard Communication Standard (29 CFR 1910.1200)

WHMIS (Canada): CLASS E: Corrosive Liquid

#### 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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