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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION: Free / Total JAW (Just Add Water) Indicator

Catalog Numbers-HF scientific: 09951H 09952H 09953H 09954H 09955H
09956H 25003H

PRODUCT USE: Analytical / Laboratory Reagent

NFPA RATINGS: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

2. HAZARDS IDENTIFICATION

TARGET ORGANS: Eyes, Skin, Respiratory Tract

ACUTE TOXICITY: Corrosive. May Cause Burns of the Eyes, Skin, and Respiratory Tract

CHRONIC TOXICITY: 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 Conditions

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	P-Toluenesulfonic Acid	Percent
CAS No.	6192-52-5	>98%

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.

5. FIRE FIGHTING MEASURES

FLASH POINT: >250°C (446°F) AUTOIGNITION POINT: NA
FLAMMABILITY: May Be Combustible at High Temperature
EXTINGUISHING MEDIA: Dry Chemical, Water Spray, or Foam

6. ACCIDENTAL RELEASE MEASURES

Sweep Up Material and Place in a Container for Disposal. Material May Neutralized with Dilute Sodium Carbonate. Wear Personal Protective Equipment such as Safety Glasses, Latex or Nitrile Gloves, Lab Coat, and Dust Mask.

7. HANDLING AND STORAGE

HANDLING: Keep Container Dry. Keep Away from Heat and Sources of Ignition. Do Not Ingest. Avoid Breathing Dust. Avoid Contact with Eyes and Skin.
STORAGE: Keep Container Tightly Closed and Store in a Cool, Well Ventilated Area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: NOT AVAILABLE
PERSONAL PROTECTIVE EQUIPMENT: Safety Glasses, Latex or Nitrile Gloves, Lab Coat, Dust Mask

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
ODOR: Slight
Color: White
pH: 1-2, Acidic
BOILING POINT: 140°C (284°F)
MELTING POINT: 107°C (225°F)
SPECIFIC GRAVITY: 0.72 (Water=1)
SOLUBILITY: Soluble in Water

10. STABILITY AND REACTIVITY

Product is Stable Under Normal Handling and Storage Conditions. Hazardous Polymerization Will Not Occur.

11. TOXICOLOGICAL INFORMATION

Route of Exposure: Eyes, Skin, Inhalation, Ingestion

Teratogen Status: None Listed

Mutagen Status: None Listed

Reproductive Toxicity: None Listed

Carcinogen Status: None Listed

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

DOT CLASSIFICATION: Class 8 Corrosive Material

IDENTIFICATION: Aryl Sulfonic Acid, Solid (Toluenesulfonic acid)

UN NUMBER: 2585

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 Solid

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.