

1. IDENTIFICATION:

Product Name: FREE / TOTAL JAW (JUST ADD WATER) INDICATOR
Synonyms: p-Toluenesulfonic Acid
CAS Number: 6192-52-5
Catalog Numbers: 09951H 09952H 09953H 09954H 09955H 09956H 25003H
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 4 Skin Irritation: Category 1 Eyes Irritation: Category 1 Specific target organ – single: Category 3	Aquatic Toxicity: None	Flammable Liquid: No

GHS Label

Pictogram:	Signal Word:
	DANGER WARNING
Hazard Statements Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes severe skin burns and eye damage Causes serious eye damage May cause respiratory irritation	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. STORE in a well-ventilated area. Dispose of container in accordance with local / regional / national / international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
p-Toluenesulfonic Acid	6192-52-5	100%

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

Suitable Extinguishing Media: Dry Chemical, Water Spray, or Foam
Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.
Unusual Fire and Exposure Hazards: None
Combustion Products: Carbon oxides, Sulphur oxides
NFPA Classification HEALTH: 3 **FLAMMABLE:** 1 **REACTIVITY:** 1

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 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: Dust Mask

9. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint: >250°C (446°F)
Autoignition Temperature: N/A
Boiling Point: 140°C (284°F)
Melting Point: 107°C (225°F)
Vapor Pressure: N/A

Vapor Density: N/A
% Solubility in Water: Soluble in water

Pour Point: N/A
Molecular Formula: C₇H₆O₃S · H₂O
Odor / Appearance: Solid white powder with slight odor

Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Specific Gravity: 0.72 (Water=1)
% Volatile: N/A
Evaporation Rate (Water=1): N/A
Viscosity: N/A
Octanol / Water Partition Coefficient: N/A
pH: 1-2, Acidic
Molecular Weight: 190.22 g/mol

10. STABILITY AND REACTIVITY

Stability / Incompatibility: Product is Stable Under Normal Handling and Storage Conditions. May Be Combustible at High Temperature.
Hazardous Reactions / Decomposition Products: None

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: Irritation and burns of eyes, skin and respiratory tract.
Acute Effects: Corrosive. May Cause Burns of the Eyes, Skin, and Respiratory Tract.
Eye Contact: Irritation and burns of eyes.
Skin Contact: Irritation and burns of skin
Inhalation: Irritation and burns of respiratory tract.
Ingestion: N/A
Target Organs Effects: Eyes, Skin and Respiratory Tract
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 System Conditions
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):
 PROPER SHIPPING NAME: Aryl Sulfonic Acids, Solid
 HAZARD CLASS: 8 UN NUMBER: UN2585 PACKING GROUP: III

IATA (International Air Transport Association):
 PROPER SHIPPING NAME: Arylsulphonic Acids, Solid
 HAZARD CLASS: 8 UN NUMBER: UN2585 PACKING GROUP: III

IMO (International Maritime Organization):
 PROPER SHIPPING NAME: Arylsulphonic Acids, Solid
 HAZARD CLASS: 8 UN NUMBER: UN2585 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.

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