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MATERIAL SAFETY DATA SHEET (MSDS)**P-TOLUENESULPHONIC ACID SODIUM SALT (FOR SYNTHESIS)****1 - Chemical Product**

MSDS Name:p-Toluenesulfonic acid sodium salt

Synonym:Sodium p-toluenesulfonat

Cas NO:657-84-1

Product Coad: T0208305000

Molecular Formula: C₇H₇NaO₃S

Molecular Weight: 194.19

2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
657-84-1	p-Toluenesulfonic acid, sodium salt, 9		211-522-5

3 - HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Irritating to eyes, respiratory system and skin.

Potential Health Effects

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician:

5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

7 - HANDLING and STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits CAS# 657-84-1: Personal Protective Equipment Eyes: Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

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9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
 Color: white
 Odor: none reported
 pH: Not available.
 Vapor Pressure: Not available.
 Viscosity: Not available.
 Boiling Point: Not available.
 Freezing/Melting Point: 0 deg C
 Autoignition Temperature: Not available.
 Flash Point: Not available.
 Explosion Limits, lower: Not available.
 Explosion Limits, upper: Not available.
 Decomposition Temperature:
 Solubility in water:
 Specific Gravity/Density:

10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
 Conditions to Avoid: Incompatible materials, strong oxidants.
 Incompatibilities with Other Materials: Not available.
 Hazardous Decomposition Products: Carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide. Hazardous Polymerization:
 Has not been reported.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 657-84-1: XT7350000 LD50/LC50: Not available.
 Carcinogenicity: p-Toluenesulfonic acid, sodium salt, 90% - Not listed by ACGIH, IARC, or NTP.
 Other: See actual entry in RTECS for complete information.

12 - ECOLOGICAL INFORMATION

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

Not regulated

15 - REGULATORY INFORMATION

European/International Regulations European Labeling in Accordance with EC Directives
 Hazard Symbols: XI Risk Phrases:
 R 36/37/38 Irritating to eyes, respiratory system and skin.
 Safety Phrases: S 24/25 Avoid contact with skin and eyes.
 WGK (Water Danger/Protection)
 CAS# 657-84-1: 1
 Canada NCAS# 657-84-1 is listed on Canada's DSL List.
 CAS# 657-84-1 is not listed on Canada's Ingredient Disclosure List.
 US FEDERAL TSCA CAS# 657-84-1 is listed on the TSCA inventory.

MATERIAL SAFETY DATA SHEET (MSDS)**P-TOLUENESULPHONIC ACID SODIUM SALT (FOR SYNTHESIS)****16. Other Information**

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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