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 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)
P-TOLUIC ACID (FOR SYNTHESIS) (4-METHYLBENZOIC ACID)
1 - Chemical Product

MSDS Name: 4-Hydroxybenzoic acid
 Synonym: 3-Carboxyphenol; m-HBA; m-Salicylic acid; m-Hydroxybenzoic aci

Cas NO: 99-94-5

Product Coad: T0208600250

Molecular Formula: C₇H₆O₃
 Molecular Weight: 138.12

2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
99-94-5	p-Toluic acid	98.0	202-803-3

3 - HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye: May cause severe eye irritation. May result in corneal injury.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. Ingestion of large amounts may cause systemic effects such as nausea, stomach pain, rapid breathing, sweating, convulsions, coma, cardiovascular collapse and possible death.

Inhalation: May cause respiratory tract irritation. May cause effects similar to those described for ingestion.

Chronic: No information found.

4 - FIRST AID MEASURES

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

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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. Use with adequate ventilation. 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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits CAS# 99-94-5: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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

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

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
 Color: white
 Odor: None reported.
 pH: Not available.
 Vapor Pressure: Not available.
 Viscosity: Not available.
 Boiling Point: @ 760.00mm Hg
 Freezing/Melting Point: 215.00 - 217.00 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: 8 g/l (20 c)
 Specific Gravity/Density: 1.48

10 - STABILITY AND REACTIVITY

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

11 - TOXICOLOGICAL INFORMATION

RTECS#:
 CAS# 99-94-5: XU1575000 LD50/LC50:
 CAS# 99-94-5: Oral, mouse: LD50 = 2340 mg/kg.
 Carcinogenicity:
 p-Toluic acid - 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

IATA
 Not regulated as a hazardous material.
 IMO
 Not regulated as a hazardous material.
 RID/ADR
 Not regulated as a hazardous material.

15 - REGULATORY INFORMATION

European/International Regulations
 European Labeling in Accordance with EC Directives
 Hazard Symbols: Not available.
 Risk Phrases:

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Safety Phrases:

S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 99-94-5: 2
Canada
CAS# 99-94-5 is listed on Canada's DSL List.
CAS# 99-94-5 is not listed on Canada's Ingredient Disclosure List.
US FEDERAL
TSCA
CAS# 99-94-5 is listed on the TSCA inventory.

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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