

CHEMICAL WITHOUT BORDERS-POWERED BY INDIA

CIN No.: U24100GJ2010PTC060594 GST No.: 24AADCT5202F1ZU

MSME No: UDYAM-GJ-25-0009026

ISO 9001:2015 | QMS/NAB-C21601/1645

Material Safety Data Sheet (MSDS)

P-Cresol

Revision Date: 22-September-2025

Version: 1.0

Section 1: Product Identification

• Product Name: P-Cresol

• Chemical Formula: C7H8O

• CAS No: 106-44-5

• Synonyms: 4-Methylphenol, para-Cresol

• Recommended Use:: Intermediate in chemical synthesis, disinfectants, fragrances

Section 2: Hazards Identification

- Classification (GHS): Acute Toxicity, Acute Toxicity, Skin Corrosion/Irritation, Serious Eye Damage, Specific Target Organ Toxicity, Aquatic Chronic
- Signal Word: Danger
- Hazard Statements:



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- Harmful if swallowed or in contact with skin
- Causes severe skin burns and eye damage
- May cause respiratory irritation
- Toxic to aquatic life with long lasting effects
- Precautionary Statements:
 - Avoid breathing vapors
 - Wash hands thoroughly after handling
 - Wear protective gloves, protective clothing, and eye/face protection
 - Avoid release to the environment

Section 3: Composition / Information on Ingredients

• Concentration: >95% P-Cresol

Section 4: First Aid Measures

- Inhalation: Remove victim to fresh air and keep at rest. Seek immediate medical attention.
- **Skin Contact:** Wash with plenty of water for at least 15 minutes. Remove contaminated clothing. Seek immediate medical advice.

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- Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek immediate medical attention.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Section 5: Fire-Fighting Measures

- Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide (CO2), water spray.
- **Specific Hazards:** Combustible solid, emits toxic fumes of carbon oxides and phenolic compounds under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

- **Personal Precautions:** Evacuate area. Use protective equipment. Avoid inhalation of vapors and contact with skin/eyes.
- Environmental Precautions: Prevent entry into drains, surface water, and soil.
- **Cleanup Methods:** Absorb with inert material (sand, earth). Collect in suitable container for disposal according to regulations.

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Section 7: Handling and Storage

- **Handling:** Handle with extreme care in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation of vapors.
- **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Keep away from acids and oxidizing agents.

Section 8: Exposure Controls / Personal Protection

- Exposure Limits: ACGIH TLV: 22 mg/m³ (5 ppm) TWA
- Engineering Controls: Ensure adequate ventilation and local exhaust systems.
- **Personal Protective Equipment:** Chemical resistant gloves, goggles, face shield, protective clothing. Respiratory protection if exposure exceeds permissible limits.

Section 9: Physical and Chemical Properties

• Appearance: Colorless to pale yellow crystalline solid or liquid

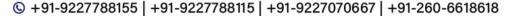
• Odor: Phenolic, medicinal odor

• **Boiling Point:** 201 – 203 °C

• Flash Point: 86 °C (closed cup)

• **Solubility:** Slightly soluble in water; soluble in ethanol and organic solvents

• Molecular Weight: 108.14 g/mol



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Section 10: Stability and Reactivity

- Stability: Stable under normal handling and storage conditions.
- Incompatible Materials: Strong oxidizing agents, strong acids.
- Hazardous Decomposition Products: Carbon oxides, phenolic compounds under fire conditions.

Section 11: Toxicological Information

- Routes of Exposure: Inhalation, ingestion, skin and eye contact.
- Acute Effects: Harmful if swallowed or absorbed through skin. Causes severe skin and eye burns.
- Chronic Effects: Prolonged or repeated exposure may cause liver, kidney, and central nervous system damage.

Section 12: Ecological Information

- Ecotoxicity: Toxic to aquatic organisms with long lasting effects.
- Persistence and Degradability: Moderately biodegradable.
- Bioaccumulative Potential: Moderate potential for bioaccumulation.

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Section 13: Disposal Considerations

- Dispose of contents/container in accordance with local/regional/national regulations.
- Do not discharge into the environment.

Section 14: Transport Information

• **UN Number**: 3455

Proper Shipping Name: Cresols, Solid

• Hazard Class: 6.1 (Toxic substances)

• Packing Group: II

Section 15: Regulatory Information

- Complies with Indian chemical safety regulations and international chemical inventory listings.
- Classified as hazardous substance as per GHS.

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Section 16: Other Information

• **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.



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