



SAFETY DATA SHEET (SDS)

Product Name: Para Cresol

Chemical Name: *p*-Cresol (4-Methylphenol)

Synonyms: 4-Methylphenol, *p*-Cresol

CAS Number: 106-44-5

EC Number: 203-398-6

FEMA Number: 2338

Product Type: Aroma Chemical

Recommended Use: Fragrance ingredient for perfumery, flavour (where permitted), research and industrial fragrance applications.

Supplier: Aromology Trading LLC

Issue Date: 06 September 2025

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier: Para Cresol

Chemical Name: 4-Methylphenol

CAS Number: 106-44-5

Recommended Use: Perfumery, fragrance manufacture and laboratory use.

Emergency Telephone: +971 505 197 601

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Acute Toxicity (Oral)	Category 3
Acute Toxicity (Dermal)	Category 3
Skin Corrosion	Category 1B
Serious Eye Damage	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3
Aquatic Chronic Toxicity	Category 2

Signal Word: Danger



Hazard Statements

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long-lasting effects.

Precautionary Statements

P260 Do not breathe dust, fumes or vapours.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and eye/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.

P303+P361+P353 IF ON SKIN (or hair): Remove contaminated clothing immediately.
Rinse skin with water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

P310 Immediately call a POISON CENTRE or physician.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Concentration
Para Cresol (4-Methylphenol)	106-44-5	≥99%



SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air immediately.

Obtain medical attention.

Skin Contact

Remove contaminated clothing immediately.

Wash skin thoroughly with soap and large amounts of water for at least 15 minutes.

Seek immediate medical attention.

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek immediate medical attention.

Ingestion

Do **NOT** induce vomiting.

Immediately contact a poison centre or physician.

Symptoms

Severe burns.

Eye damage.

Respiratory irritation.

Toxicity following ingestion or skin absorption.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media



- Alcohol-resistant foam
- Carbon dioxide
- Dry chemical powder
- Water spray

Unsuitable Extinguishing Media

Direct water jet.

Hazardous Combustion Products

Carbon monoxide.

Carbon dioxide.

Phenolic vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear full protective equipment.

Avoid breathing vapours.

Prevent release into drains and waterways.

Absorb using inert absorbent material.

Dispose of waste according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid inhalation and skin contact.

Use only with adequate ventilation.

Avoid contact with eyes.

Observe good laboratory and industrial hygiene.



Storage

Store below 25°C.

Keep container tightly closed.

Protect from moisture.

Store away from strong oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Follow applicable occupational exposure limits for p-Cresol.

Engineering Controls

Local exhaust ventilation is recommended.

Eye Protection

Chemical splash goggles and face shield.

Skin Protection

Chemical-resistant gloves and protective clothing.

Respiratory Protection

Approved organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	White crystals to colourless or pale yellow liquid (above melting point)
Odour	Phenolic, medicinal, tar-like, leathery
Melting Point	31–35 °C
Boiling Point	201–202 °C



Property	Specification
Flash Point	Approximately 86 °C
Relative Density @20 °C	1.030–1.035
Refractive Index @40 °C	1.536–1.542
Solubility	Slightly soluble in water; soluble in alcohol and organic solvents

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions.

Chemical Stability

Stable under normal handling conditions.

Conditions to Avoid

Heat.

Strong oxidising agents.

Open flames.

Hazardous Decomposition Products

Carbon oxides.

Phenolic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin
- Eyes
- Inhalation
- Ingestion



Effects

Toxic if swallowed.

Toxic by skin absorption.

Causes severe skin burns.

Causes serious eye damage.

Respiratory irritation may occur.

SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Prevent environmental release.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and contaminated packaging according to local, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	UN 2076
Proper Shipping Name	Cresols, Liquid
Hazard Class	6.1 (8)
Packing Group	II
Marine Pollutant	Yes

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)



- Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
 - IFRA Standards (51st Amendment)
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SECTION 16: OTHER INFORMATION

This Safety Data Sheet provides guidance for the safe handling, storage and use of Para Cresol in professional perfumery and fragrance manufacturing.

Para Cresol is a high-impact phenolic aroma chemical used in trace quantities to impart leathery, animalic, smoky, narcissus and floral effects in fine fragrance compositions. Due to its corrosive and toxic properties, it should only be handled by trained personnel using appropriate personal protective equipment.

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Company: Aromology Trading LLC

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