



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Parameter	Details
Product Name	Natural Para-Cymene
Chemical Name	p-Cymene
Synonyms	4-Isopropyltoluene; 1-Methyl-4-(1-methylethyl)benzene
INCI Name	p-Cymene
CAS Number	99-87-6
EC Number	202-796-7
Index Number	601-094-00-1
Molecular Formula	C ₁₀ H ₁₄
Molecular Weight	134.22 g/mol
Product Type	Natural Aroma Chemical

Natural p-Cymene is a naturally occurring aromatic hydrocarbon found in many essential oils, particularly cumin, thyme, citrus and eucalyptus oils.

1.2 Recommended Uses

- Fine fragrance
- Cosmetic ingredient
- Soap manufacture
- Candles
- Home fragrance
- Air care
- Professional perfumery

1.3 Uses Advised Against

- Internal consumption
- Pharmaceutical use
- Direct skin application without dilution
- Food use unless specifically approved

1.4 Supplier



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SECTION 2: HAZARD IDENTIFICATION

2.1 Classification According to Regulation (EC) No. 1272/2008

Hazard Class	Category
Flammable Liquid	Category 3
Aspiration Hazard	Category 1
Acute Toxicity (Inhalation)	Category 3
STOT Single Exposure	Category 3
Aquatic Chronic	Category 2

Current commercial CLP SDSs classify p-Cymene as a flammable liquid with aspiration hazard, acute inhalation toxicity, narcotic effects (STOT SE 3), and chronic aquatic toxicity.

Signal Word

DANGER

Hazard Statements

- **H226** Flammable liquid and vapour.
- **H304** May be fatal if swallowed and enters airways.
- **H331** Toxic if inhaled.
- **H336** May cause drowsiness or dizziness.
- **H411** Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P261 Avoid breathing vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, eye and face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.



- P331 Do NOT induce vomiting.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards

- Vapours may form explosive mixtures with air.
- Prolonged exposure may cause central nervous system depression.
- Not classified as PBT or vPvB according to available information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS	EC	Concentration
Natural Para-Cymene	99-87-6	202-796-7	≥98%

SECTION 4: FIRST AID MEASURES

Inhalation

Move the exposed person to fresh air. Keep at rest and obtain immediate medical attention if symptoms persist.

Skin Contact

Remove contaminated clothing and wash thoroughly with soap and water.

Eye Contact

Flush cautiously with water for at least 15 minutes. Obtain medical attention if irritation persists.

Ingestion

Do NOT induce vomiting. Immediately contact a poison centre or physician due to aspiration hazard.

SECTION 5: FIRE-FIGHTING MEASURES



Suitable extinguishing media:

- Alcohol-resistant foam
- Dry chemical
- Carbon dioxide
- Water fog

Unsuitable media:

- Direct water jet

Hazardous combustion products:

- Carbon monoxide
- Carbon dioxide
- Dense smoke

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Eliminate all ignition sources.
 - Ensure adequate ventilation.
 - Avoid breathing vapours.
 - Prevent entry into drains and waterways.
 - Absorb with sand or inert absorbent.
 - Dispose of waste according to regulations.
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SECTION 7: HANDLING AND STORAGE

Handle only in well-ventilated areas.

Avoid:

- heat
- sparks
- static discharge
- inhalation of vapours
- environmental release



Store:

- tightly closed
- between 15–25 °C
- in a cool, dry place
- away from oxidising agents
- away from direct sunlight

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Local exhaust ventilation recommended.

Personal Protective Equipment

- Chemical-resistant nitrile gloves
- Safety goggles
- Protective clothing

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value
Appearance	Clear, colourless liquid
Odour	Fresh citrus, terpene, spicy, cumin-like
Relative Density (20 °C)	0.855–0.865
Refractive Index (20 °C)	1.488–1.492
Boiling Point	Approximately 177 °C
Flash Point	Approximately 47 °C
Auto-Ignition Temperature	Approximately 435 °C
Water Solubility	Insoluble
Solubility in Alcohol	Soluble

Representative physical properties are consistent with commercial specifications for p-Cymene.



SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Heat
- Flames
- Sparks
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
- Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure:

- Inhalation
- Skin contact
- Eye contact
- Ingestion

Potential effects:

- Toxic by inhalation.
- Aspiration hazard if swallowed.
- May cause drowsiness or dizziness.
- Mild skin irritation following prolonged contact.

SECTION 12: ECOLOGICAL INFORMATION

- Toxic to aquatic organisms with long-lasting effects.
- Avoid release into the environment.
- Prevent contamination of waterways and soil.



SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and contaminated packaging through an authorised hazardous waste contractor.

Do not discharge into drains or natural watercourses.

SECTION 14: TRANSPORT INFORMATION

Item	Details
UN Number	UN 2046
Proper Shipping Name	Cymenes
Transport Hazard Class	3
Packing Group	III
Marine Pollutant	Yes (environmentally hazardous)

Commercial transport classifications consistently list p-Cymene as UN 2046, Class 3, Packing Group III.

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1223/2009 (Cosmetics)
 - Current IFRA Standards
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SECTION 16: OTHER INFORMATION

Storage Recommendation

Store:

- Between 15–25 °C



- In tightly sealed original containers
- Protected from sunlight
- Away from heat, sparks and flames
- Away from oxidising materials

Shelf Life

24 months under recommended storage conditions.

Disclaimer

This Safety Data Sheet is based on representative supplier safety data and current regulatory information available at the date of issue. It is intended solely as guidance for the safe handling, storage, transport and use of this material and does not constitute a guarantee of any specific product characteristics.

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