

Section 1. Product and Company Identification

**Product Name** Para-Cymene  
**CAS Number** 99-87-6

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**Emergency Overview**

Harmful  
Flammable.  
Harmful by inhalation, in contact with skin and If swallowed.  
Irritating to eyes, skin, mucous membranes and respiratory system.  
Keep away from sources of ignition-No Smoking.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with skin and eyes.  
Take off immediately all contaminated clothing.  
Wear suitable clothing, gloves and eye/face protection  
Keep out of the reach of children.

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H226 Flammable liquid and vapor.



### Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### Section 3. Composition / Information on Ingredients

**Common Name** Para-Cymene  
**Synonym(s)** 1-Methyl-4-Isopropyl Benzene  
**CAS Number** 99-87-6

COMPONENT	CAS NUMBER	CONCENTRATION
Para-Cymene	99-87-6	>= 98%

### Section 4. First Aid Measures

#### Description of first-aid measures

**Skin contact:** Remove contaminated clothing and shoes ASAP, wash affected area with plenty of soap and water for at least 15 minutes, consult surgeon immediately.

**Eye contact:** Rinse eyes with a large quantity of water for at least 15 minutes, occasionally lifting the upper and lower eyelids, consult oculist immediately.

**Inhalation:** Remove victim from exposure to fresh air immediately, if not breathing, give artificial respiration; if breathing is difficult, give medical oxygen. Get medical aid immediately.

**Ingestion:** Rinse mouth with plenty of milk or water (only if victim is conscious and alert). Get medical aid immediately.

### Section 5. Firefighting Measures

**Special Firefighting Procedures:** As material emits toxic fumes under fire conditions, wearing a self-contained breathing apparatus in pressure-demand and protecting clothing to prevent contacts from eyes and skin is strongly recommended.

**Extinguishing Media:** Carbon dioxide, dry chemical powder or appropriate foam. Do not use water, water is unsuitable for use on burning material, but may be used to cool containers exposed to heat.

### Section 6. Accidental Release Measures

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



**Spills/Leaks:** Cover with an inert material (e.g. sand, earth or dirt), then place in suitable and tightly closed containers using non-sparking tools, transport outdoors.  
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Dispose of in accordance with current laws and regulations.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Measures indicated in Section 8 should be taken to prevent contacts from skin and eyes. Vapors may form explosive mixtures with air, provide suitable air extraction ventilation in the work areas.  
Avoid contacts with heat, sparks and flames, smoking should not be permitted in work areas.

**Conditions for safe storage, including any incompatibilities:** Keep away from heat, sparks and flames. Store in a tightly closed and suitable container, containers should be stored in a cool and dry place.

#### Section 8. Exposure Controls / Personal Protection

**Control parameters:** Components with workplace control parameters

##### Exposure controls

**Appropriate engineering controls:** Use adequate ventilation to keep the vapor concentration in work areas out from explosion limits.

**Eyes:** Wear chemical safety goggles if splashing is possible, wash contaminated goggles before reuse.

**Skin:** Wear Compatible chemical-resistant gloves and appropriate protective clothing, wash contaminated gloves and clothing before reuse.

**Inhalation:** Do not breathe vapors. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.

#### Section 9. Physical and Chemical Properties

##### Information on basic physical and chemical properties

**Appearance:** Colorless to pale-yellow, clear liquid

**Odor:** N/A

**pH:** N/A

**Melting Point:** -68°C

**Boiling Point (760 mmHg):** 176.00 - 178.00

**Boiling Point (50.00 mmHg):** 91.00 - 92.00

**Flash Point (TCC):** 117.00°F/ 47.22°C

**Refractive Index N20/4 (20°C):** 1.4880 - 1.4920

**Color (APHA):** N/A

**Flammability (Solid, Gas):** N/A

**Upper Explosion Limit:** N/A



**Lower Explosion Limit:** N/A  
**Vapor Pressure (20°C):** 1.460 mmHg  
**Vapor Density (Air = 1):** 4.62  
**Specific Gravity (D20/4):** 0.850 - 0.870  
**Auto-ignition Temperature:** N/A  
**Solubility in Water:** 0.12%  
**Viscosity:** N/A  
**Explosive Properties:** N/A  
**Oxidizing Properties:** N/A  
**Ignition Temperature:** N/A  
**Partition Coefficient (n-octanol/water):** N/A  
**Decomposition Temperature:** N/A

#### Section 10. Stability and Reactivity

**Chemical stability:** Stable under ordinary conditions of use and storage.  
**Conditions to avoid:** Heat, sparks, open flames, and other sources of ignition.  
**Incompatible materials:** Strong oxidizing agents. Do not store in plastic containers.  
**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, irritating and toxic fumes and gases.

#### Section 11. Toxicological Information

##### Information on toxicological effects

**Acute Effects:** Irritant, irritating to eyes, skin digestive and respiratory system.  
**Hazardous Ingredients:** Alpha-pinene, para menthadienes, terpene hydrocarbons

##### Toxicity Data

###### Para-Menthadienes

**LD50 Oral-Rat:** 2000mg/kg  
**LC50 Skin-Rabbit:** 500mg/24H moderate

###### Terpene Hydrocarbons

**LD50 Oral-Rat:** 4000mg/kg  
**LC50 Skin-Rabbit:** 500mg/24H moderate

**OSHA:** Combustible liquid.

**Carcinogenicity:** Not listed by ACGIH, IARC, NIOSH, or NTP.

#### Section 12. Ecological Information

**General Information:** Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.



Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Proper Shipping Name:** Para-cymene

**Hazard Class:** 3

**UN/NA Number:** 2046

**Packing Group:** III

**Important Note:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation

Section 15. Regulatory Information

**Safety, health, and environmental regulations/legislation specific for the substance or mixture**

**European Information**

**Hazard Symbols:** Xi - Irritant

**Risk Phrases**

R10 - Flammable

R 36/37/38 - Irritating to eyes, respiratory system, and skin.

R 43 - May cause sensitization by skin.

R 50/53 - Very toxic to aquatic organisms, may cause long-term

**Safety Phrases**

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**HMIS Rating**

**Health:** 1

**Flammability:** 2

**Reactivity:** 0

**Personal Protection:** B



Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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