



## Material Safety Data Sheet

p-Cymene, 98%

MSDS# 95901

### Section 1 - Chemical Product and Company Identification

MSDS Name: p-Cymene, 98%  
Catalog Numbers: AC111760000, AC111760010, AC111760025, AC111762500  
Synonyms: Dolcymene; p-isopropyltoluene; isopropyl methylbenzene

Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

Company Identification: (USA) Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01  
For information in Europe, call: +32 14 57 52 11  
Emergency Number, Europe: +32 14 57 52 99  
Emergency Number US: 201-796-7100  
CHEMTREC Phone Number, US: 800-424-9300  
CHEMTREC Phone Number, Europe: 703-527-3887

### Section 2 - Composition, Information on Ingredients

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CAS#: 99-87-6  
Chemical Name: P-CYMENE  
%: 98  
EINECS#: 202-796-7

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Hazard Symbols:

XI F



Risk Phrases:

10 37/38

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. Aspiration hazard if swallowed. Can enter lungs and cause damage. May be absorbed through intact skin. May cause central nervous system effects. Causes eye, skin, and respiratory tract irritation.

Target Organs: Central nervous system.

#### Potential Health Effects

Eye: May cause eye irritation.

Skin: Causes skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. May be absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

Inhalation: Causes respiratory tract irritation. May cause narcotic effects in high concentration. May cause drowsiness, unconsciousness, and central nervous system depression.

Chronic inhalation may cause effects similar to those of acute inhalation. Prolonged or repeated skin contact may

Chronic: cause defatting and dermatitis.

#### Section 4 - First Aid Measures

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

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. 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:

#### Section 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. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray to cool fire-exposed containers. Water may be ineffective. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: 435 deg C ( 815.00 deg F)

Flash Point: 47 deg C ( 116.60 deg F)

Explosion Limits: .70 vol %  
Lower:

Explosion Limits: 5.60 vol %  
Upper:

NFPA Rating: 1 - health, 2 - flammability, 0 - instability

#### Section 6 - Accidental Release Measures

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

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition.

#### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
P-CYMENE	none listed	none listed	none listed

OSHA Vacated PELs: P-CYMENE: None listed

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

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 to prevent skin exposure.  
Clothing: Wear appropriate protective clothing to prevent skin exposure.  
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.

## Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear, colorless

Odor: Lemon-type

pH: Not available

Vapor Pressure: 1 mm Hg @17.3C

Vapor Density: 4.62 (air=1)

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 176 - 178 deg C @ 760.00mm Hg

Freezing/Melting Point: -68 deg C ( -90.40°F)

Decomposition Temperature: Not available

Solubility in water: practically insoluble in water

Specific Gravity/Density: .8600g/cm3

Molecular Formula: C10H14

Molecular Weight: 134.22

## Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.  
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.  
Incompatibilities with Other Materials: Not available  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.  
Hazardous Polymerization: Will not occur.

## Section 11 - Toxicological Information

RTECS#: CAS# 99-87-6: GZ5950000  
RTECS: **CAS# 99-87-6:** Draize test, rabbit, skin: 500 mg/24H Moderate;  
Inhalation, mouse: LC50 = 19500 mg/m3;  
LD50/LC50: Oral, mouse: LD50 = 1695 mg/kg;  
Oral, rat: LD50 = 4750 mg/kg;  
Oral, rat: LD50 = 3669 mg/kg;  
Carcinogenicity: P-CYMENE - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Other: See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

Ecotoxicity: Not available

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

US DOT  
Shipping Name: CYMENES  
Hazard Class: 3  
UN Number: UN2046  
Packing Group: III  
Canada TDG  
Shipping Name: Not available  
Hazard Class:

UN Number:  
Packing Group:

## Section 15 - Regulatory Information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

Hazard Symbols: XI F

Risk Phrases:

R 10 Flammable.

R 37/38 Irritating to respiratory system and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

#### WGK (Water Danger/Protection)

CAS# 99-87-6: Not available

#### Canada

CAS# 99-87-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 99-87-6 is listed on Canada's Ingredient Disclosure List

#### US Federal

##### TSCA

CAS# 99-87-6 is listed on the TSCA  
Inventory.

## Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #5 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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