

Common Name: **PSEUDOCUMENE**

Synonyms: 1,2,4-Trimethylbenzene; Psicumene; Pseudocumol

CAS No: 95-63-6

 Molecular Formula: C<sub>9</sub>H<sub>12</sub>

RTK Substance No: 2716

Description: Clear, colorless liquid with a distinctive, sweet odor

## HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<b>1 - Health</b> <b>2 - Fire</b> <b>0 - Reactivity</b> DOT#: UN 2325 ERG Guide #: 129 Hazard Class: 3 (Flammable)	<b>Pseudocumene</b> is a COMBUSTIBLE LIQUID. Use dry chemical, CO <sub>2</sub> , water spray, alcohol-resistant foam or other foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool. Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source	<b>Pseudocumene</b> may react violently with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and NITRIC ACID to cause fires and explosions.

## SPILL/LEAKS

**Isolation Distance:**

Small Spill: 60 meters (200 feet)

Large Spill: 300 meters (1,000 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.

DO NOT wash into sewer.

This substance is toxic to aquatic organisms and may bioaccumulate in fish.

## PHYSICAL PROPERTIES

<b>Odor Threshold:</b>	0.4 ppm
<b>Flash Point:</b>	112°F (44°C)
<b>LEL:</b>	0.9%
<b>UEL:</b>	6.4%
<b>Vapor Density:</b>	4.15 (air = 1)
<b>Vapor Pressure:</b>	2.1 mm Hg at 77°F (25°C)
<b>Specific Gravity:</b>	0.88 (water = 1)
<b>Water Solubility:</b>	Insoluble
<b>Boiling Point:</b>	329°F (165°C)
<b>Ionization Potential:</b>	8.27 eV
<b>Molecular Weight:</b>	120.2

## EXPOSURE LIMITS

<b>OSHA:</b>	None
<b>NIOSH:</b>	25 ppm, 10-hr TWA
<b>ACGIH:</b>	25 ppm, 8-hr TWA
<b>IDLH:</b>	None

## PROTECTIVE EQUIPMENT

<b>Gloves:</b>	NITRI-SOLVE® (<6-hr breakthrough)
<b>Coveralls:</b>	DuPont Tychem® Polycoat and Responder®; Kappler® Zytron® 500; and Saint-Gobain ONESuit® TEC for <i>Aromatic Hydrocarbons</i> (>8-hr breakthrough)
<b>Respirator:</b>	<25 ppm - Full facepiece APR with Organic vapor cartridge >250 ppm - Supplied air

## HEALTH EFFECTS

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation
<b>Inhalation:</b>	Nose, throat and lung irritation with coughing, wheezing and shortness of breath  Headache, nausea, vomiting, dizziness, lack of coordination and confusion

## FIRST AID AND DECONTAMINATION

<b>Remove</b>	the person from exposure.
<b>Flush</b>	eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
<b>Quickly</b>	remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.
<b>Begin</b>	artificial respiration if breathing has stopped and CPR if necessary.
<b>Transfer</b>	to a medical facility.