

化 学 品 安 全 技 术 说 明 书

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MSDS标题

P-CYMENE MSDS报告

产品标题

对甲基异丙基苯;异丙基甲苯;1-甲基-4-(1-甲基乙基)苯

CAS号

99-87-6

化学品及企业标识

PRODUCT NAME

P-CYMENE

NFPA

Flammability	2
Toxicity	2
Body Contact	2
Reactivity	1
Chronic	2
SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4	

PRODUCT USE

Essential oil distilled from many plants including the fruit or seed of Cuminum cyminum, leaves of eucalyptus and stumps of pines (Pinus palustris and Pinus caribae). Important in the manufacture of sulfite paper pulp. Solvent, synthetic resin manufacture, metal polishes, organic syntheses (the hydroperoxide is used in the manufacture of synthetic rubbers). Fragrance

SYNONYMS

C10-H14, CH₃C₆H₄CH(CH₃)₂, "benzene, 1-isopropyl-4-methyl-", "benzene, 1-isopropyl-4-methyl-", camphogen, "cumene, p-methyl-", "cumene, p-methyl-", cymol, Dolcymene, p-isopropylmethylbenzene, p-isopropylmethylbenzene, 4-isopropyl-1-methylbenzene, 4-isopropyl-1-methylbenzene, p-isopropyltoluene, p-isopropyltoluene, "p-methylisopropyl benzene", "p-methylisopropyl benzene", 1-methyl-4-isopropylbenzene, 1-methyl-4-isopropylbenzene, paracymene, paracymol

CANADIAN WHMIS SYMBOLS

EMERGENCY OVERVIEW

RISK

HARMFUL - May cause lung damage if swallowed.
Flammable.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733). Accidental ingestion of the material may be damaging to the health of the individual. Essential oils cause mild irritation of the mouth if taken orally, causing more saliva to be produced and a warm feeling. Large amounts affect the digestive system causing nausea, vomiting and diarrhea. Sometimes urination may be affected, causing difficulty or pain in urinating, reduced urine output, blood in the urine, unconsciousness and shallow breathing. Lung swelling and inflammation are possible complications. Stupor, excitement and respiratory failure may result, as well as convulsions; the central nervous system may either be depressed or stimulated. The kidneys may be damaged, and swelling and severe clogging can occur in the lungs, skin and kidneys. Essential oils increase the rate of miscarriage, but in low doses do not usually cause an abortion.

EYE

Although the liquid is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

SKIN

Skin contact with the material may damage the health of the individual;

systemic effects may result following absorption. There is some evidence to suggest that the material may cause moderate inflammation of the skin either following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterized by redness, swelling and blistering. Essential oils irritate the skin and redden it, causing at first warmth and smarting, followed by some local loss of sensation. They have been used to treat chronic inflammatory conditions and to relieve neuralgia and rheumatic pain. Care should be taken to avoid blistering; these oils may also produce sensitization. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

INHALED

Inhalation may produce health damage*. Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Inhalation hazard is increased at higher temperatures. Inhalation of high concentrations of gas/vapor causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue and inco-ordination. Central nervous system (CNS) depression may include general discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal. Inhalation of essential oil volatiles may cause dizziness, rapid, shallow breathing, increased heart rate, respiratory irritation, loss of consciousness or convulsions. Urination may stop, and there may be swelling and inflammation of the lungs. If exposure to highly concentrated solvent atmosphere is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.

CHRONIC HEALTH EFFECTS

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes. [PATTYS].