

Safety (MSDS) data for (R)-(+)-limonene



General

Synonyms: cajeputene, carvene, cinene, 4-isopropenyl-1-methylcyclohexene, (+)-4-isopropenyl-1-methylcyclohexene, D-limonene, d-(+)-limonene, (+)-R-limonene, d-p-mentha-1,8-diene, p-mentha-1,8-diene, refchole, (R)-1-methyl-4-(1-methylethenyl)cyclohexene

Use:

Molecular formula: C₁₀H₁₆

CAS No: 5989-27-5

EINECS No:

Physical data

Appearance: colourless liquid

Melting point:

Boiling point: 175.5 C

Vapour density: 4.7 (air = 1)

Vapour pressure:

Density (g cm⁻³):

Flash point: 48 C

Explosion limits: 0.7 - 6.1%

Autoignition temperature:

Water solubility:

Stability

Stable. Flammable. Incompatible with strong oxidizing agents.

Toxicology

Harmful if swallowed. May act as a sensitiser by skin contact.

Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 4400 mg kg⁻¹

IPR-RAT LD50 3600 mg kg⁻¹

IVN-RAT LD50 110 mg kg⁻¹

ORL-MUS LD50 5600 mg kg⁻¹

IPR-MUS LD50 600 mg kg⁻¹

SKN-RBT LD50 > 5000 mg kg⁻¹

SCU-MUS LD50 3170 mg kg⁻¹

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))
R22.

Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

Personal protection

Safety glasses, good ventilation, rubber gloves.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

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This information was last updated on June 3, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.
