Safety (MSDS) data for 1,8-cineole

General

Synonyms: limonene oxide, cajeputol, 1,8-epoxy-p-menthanec, 1,8-oxido-p-menthanec, eucalyptol, eucalyptole, 1,3,3-trimethyl-2-oxabicyclo[2,2,2]octane, cineol, cineole
Use: flavouring, perfumery, constituent of eucalyptus oil
Molecular formula: C_{10}H_{18}O
CAS No: 470-82-6
EC No:

Physical data

Appearance: colourless liquid
Melting point: 2 C
Boiling point: 176 - 177 C
Vapour density:
Vapour pressure:
Specific gravity: 0.922
Flash point: 49 C
Explosion limits:
Autoignition temperature:
Water solubility: insoluble

Stability

Stable. Flammable. Incompatible with acids, bases, strong oxidizing agents.

Toxicology

Harmful by ingestion. May be harmful by inhalation or through skin contact. May act as an irritant.

Toxicity data
ORL-RAT LD50 2480 mg kg\(^{-1}\)
SCU-MUS LD50 50 mg kg\(^{-1}\)
IMS-GPG LDLO 2250 mg kg\(^{-1}\)
SCU-DOG LDLO 1500 mg kg\(^{-1}\)

**Risk phrases**
(The meaning of any risk phrases which appear in this section is given [here.](#))
R10 R22.

**Transport information**
(The meaning of any UN hazard codes which appear in this section is given [here.](#))
UN No 1993. Hazard class 3. Packing group III.

**Personal protection**
Safety glasses, adequate ventilation.

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