

Safety (MSDS) data for propanol



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General

Synonyms: 2-hydroxypropane, isopropanol, isopropyl alcohol, iso-propanol, isopropyl alcohol, IPA, sec-propanol, sec-propyl alcohol, dimethylcarbinol, propan-2-ol, avantin, avantine, combi-schutz, rubbing alcohol, spectrar, sterisol, takineocol, virahol
Molecular formula: $\text{CH}_3\text{CHOHCH}_3$

CAS No: 67-63-0

EC No: 200-661-7

Physical data

Appearance: colourless liquid with slight alcohol odour

Melting point: -89 C

Boiling point: 82 C

Vapour density: 2.1

Vapour pressure: 33 mm at 20 C

Specific gravity: 0.79

Flash point: 12 C

Explosion limits: 2.0 % - 12 %

Autoignition temperature: 425 C

Stability

Stable. Incompatible with strong acids, strong oxidizing agents, halogens, aluminium, active halogen compounds. Regulated in UK under Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. **Highly flammable** Vapour-air mixtures may be explosive.

Toxicology

May be harmful by inhalation, ingestion or skin absorption. May act as an irritant. UK

OES Long-term 980 mg/m³.

Toxicity data

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

ORL-RAT LD50 5045 mg kg⁻¹

Piperonyl butoxide LC50 11130 mg/l/96h

Deltamethrin LC50 9500 mg/l/24h

Risk phrases

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

R11 R36 R37.

Personal protection

Safety glasses. Effective ventilation.

Safety phrases

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

S7 S16 S24 S25 S26.

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