

# Safety MSDS data for propanol



Click here for data on 2-propanol in [student-friendly format](#), from the HSci project

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## General

Synonyms: 2-hydroxypropane, isopropanol, isopropyl alcohol, iso-propanol, iso-propyl 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/m<sup>3</sup>.

**Toxicity data**

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

ORL-RAT LD50 5045 mg kg<sup>-1</sup>

*Pi eph les pro el s* LC50 11130 mg/l/96h