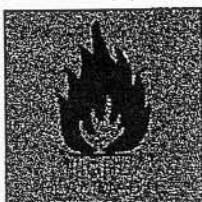


# Safety (MSDS) data for 2-propanol



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

## 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

Annex I Index No: 603-117-00-0

## 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>

SKN-RBT LD50 12800 mg kg<sup>-1</sup>

ORL-MUS LD50 3600 mg kg<sup>-1</sup>

*Pimephales promelas* LC50 11130 mg/l/96h

*Daphnia magna* LC50 9500 mb/l/24h

### Risk phrases

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

R11 R36 R37.

## Transport information

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

UN No 1219. Hazard class 3. Packing group II.

## 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.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

This information was last updated on March 2, 2006. 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.  
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