Safety (MSDS) data for 2-propanol

Click here for data on 2-propanol in student-friendly format, from the HSci project

General

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  
*Pimephales promelas* LC₅₀ 11130 mg/l/96h  
*Daphnia magna* LC₅₀ 9500 mb/1/24h

**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.)


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This information was last updated on January 8, 2004. 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.