

Safety data for propylene glycol monomethyl ether

General

Synonyms: 1-methoxy-2-propanol, methoxypropanol, PGME, 1-methoxypropan-2-ol, propylene glycol methyl ether, Dowanol 33B, Dowtherm 209, ucar solvent LM, poly-solve mpm, various further trade names

Use: solvent

Molecular formula: $C_4H_{10}O_2$

CAS No: 107-98-2

EC No:

Physical data

Appearance: colourless liquid

Melting point: -97 C

Boiling point: 119 C

Vapour density:

Vapour pressure:

Specific gravity: 0.924

Flash point: 33 C

Explosion limits:

Autoignition temperature:

Water solubility: substantial

Stability

Stable. **Highly flammable.** Incompatible with strong oxidising agents, acid chlorides, acid anhydrides, water. Moisture-sensitive.

Toxicology

May act as an irritant .

Toxicity data

(The meaning of any abbreviations which appear in this section is given

[here.](#))

IHL-GPG TCLO 15000 ppm/7h

IHL-HMN TCLO 3000 ppm

ORL-RAT LD50 5660 mg kg⁻¹

ORL-RBT LD50 5700 mg kg⁻¹

IVN-MUS LD50 5300 mg kg⁻¹

SCU-RAT LD50 7800 mg kg⁻¹

Risk phrases

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

[here.](#))

R36 R37 R38.

Transport information

UN Major hazard class 3. Packing group III. UN No 1993.

Personal protection

Safety glasses, good ventilation. Remove all sources of ignition from working area.

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This information was last updated on August 1, 2001. 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.
