

Safety (MSDS) data for 2,3-butanediol

General

Synonyms: 2,3-butylene glycol, 2,3-dihydroxybutane, dimethylene glycol

Use:

Molecular formula: C₄H₁₀O₂

CAS No: 513-85-9

EC No: 208-173-6

Physical data

Appearance: viscous colourless liquid, or colourless to white solid

Melting point: 25 C

Boiling point: 183 - 184 C

Vapour density:

Vapour pressure:

Density (g cm⁻³): 0.995

Flash point: 85 C

Explosion limits:

Autoignition temperature:

Water solubility:

Stability

Stable. Combustible. Incompatible with strong oxidizing agents, acid anhydrides, acid chlorides, chloroformates, reducing agents.

Toxicology

May act as an irritant or be harmful if ingested.

Toxicity data

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

IPR-MUS LD50 6075 mg kg⁻¹

Risk phrases

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

Transport information

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

UN No 1325. Packing group II. EMS No 4.1-05. Hazard class 4.1.

Personal protection

Safety glasses.

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 October 29, 2003. 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.
