

Safety (MSDS) data for dl-homocysteine

General

Synonyms: homocysteine, 2-amino-4-mercaptobutyric acid, USAF B-12, (+)-homocysteine
Molecular formula: $C_4H_9NO_2S$
CAS No: 454-29-5
EINECS No: 207-222-9

Physical data

Appearance: white powder
Melting point: ca. 220 C (decomposes)
Boiling point:
Vapour density:
Vapour pressure:
Density ($g\ cm^{-3}$):
Flash point: > 230 C (also quoted as 113 C by closed cup)
Explosion limits:
Autoignition temperature:

Stability

Stable. Combustible. Incompatible with strong oxidizing agents.

Toxicology

May be harmful or act as an irritant - toxicology not fully investigated.

Toxicity data

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

IPR-MUS LD50 500 $mg\ kg^{-1}$

IVN-MUS LD50 770 $mg\ kg^{-1}$

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Minimize contact.

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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.
