Safety (MSDS) data for dl-homocysteine

General

Synonyms: homocysteine, 2-amino-4-mercaptobutyric acid, USAF B-12, (+)-homocysteine
Molecular formula: C₄H₉NO₂S
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.

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

This information was last updated on February 6, 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.