

Safety (MSDS) data for cyanocobalamine

General

Synonyms: Vitamin B12

Use: food additive, vitamin

Molecular formula: $C_{63}H_{88}CoN_{14}O_{14}P$

CAS No: 68-19-9

EINECS No: 200-680-0

Physical data

Appearance: red to purple solid

Melting point:

Boiling point:

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$):

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: slight

Stability

Hygroscopic. Keep cold and dry.

Toxicology

Not believed to be harmful unless consumed in large quantity.

Toxicity data

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

ORL-MUS LD50 > 8000 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.](#))

Non-hazardous for air, sea and road freight.

Personal protection

None.

Safety phrases

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

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