

Safety (MSDS) data for valium



General

Synonyms: diazepam, 7-chloro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one, 1-methyl-5-phenyl-7-chloro-1,3-dihydro-2H-1,4-benzodiazepin-2-one, numerous trade names

Use: sedative

Molecular formula: $C_{16}H_{13}ClN_2O$

CAS No: 439-14-5

EC No:

Physical data

Appearance: light yellow or cream crystalline powder

Melting point: 125 C

Boiling point:

Vapour density:

Vapour pressure:

Specific gravity:

Flash point:

Explosion limits:

Autoignition temperature:

Stability

Stable. Light-sensitive.

Toxicology

Harmful by ingestion, inhalation and through skin contact. May cause allergic reactions. May cause systemic effects. Experimental teratogen and mutagen in laboratory animals. May cause reproductive defects (LPTD ORAL WMN 5 mg/kg 36 weeks). May be addictive. Skin, eye and respiratory irritant.

Toxicity data

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

ORL-RAT LD50 710 mg kg⁻¹

IPR-RAT LD50 300 mg kg⁻¹

IVN-MAN TDLO 143 ug kg⁻¹

ORL-RBT LD50 454 mg kg⁻¹

ORL-MAN TDLO 143 mg kg⁻¹

SCU-MUS LD50 300 mg kg⁻¹

Risk phrases

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

R20 R21 R22 R36 R37 R38.

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses, gloves, adequate ventilation.

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This information was last updated on September 6, 2005. 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.
