

Safety (MSDS) data for phenobarbital (C-IV)



General

Synonyms: 5-ethyl-5-phenylbarbituric acid, 5-ethyl-5-phenyl-2,4,6-(1H,3H,5H)pyrimidinetrione, phenobarbituric acid, 5-phenyl-5-ethylbarbituric acid, phenylethylbarbiturate, phenylethylmalonylurea, adonal, aephenal, agrypna, amylofene, ensobarb, ensodorm, epidorm, epilol, episedal, epsylone, luminal, nunol, phenobartitone, phenemal, phenobal, phenobarb, phenobarbyl, phenoluric, numerous further trade names

Use:

Molecular formula: $\text{NHCONHCOC}(\text{C}_2\text{H}_5)(\text{C}_6\text{H}_5)\text{CO}$

CAS No: 50-06-6

EINECS No:

Physical data

Appearance: white solid

Melting point: 174 C

Boiling point:

Vapour density:

Vapour pressure:

Density (g cm^{-3}):

Flash point: 174 C

Explosion limits:
Autoignition temperature:
Water solubility: slight

Stability

Stable. Combustible. Incompatible with strong oxidizing agents.

Toxicology

Harmful, and may be fatal, if swallowed. Ingestion may lead to an allergic reaction or CNS depression.

Toxicity data

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

ORL-RAT LD50 162 mg kg⁻¹

ORL-MUS LD50 168 mg kg⁻¹

ORL-RBT LD50 185 mg kg⁻¹

SCU-RAT LD50 200 mg kg⁻¹

Risk phrases

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

R25.

Transport information

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

UN No 2811. Hazard class 6.1.

Personal protection

Safety glasses, good ventilation.

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 August 18, 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.
