

Safety (MSDS) data for warfarin



General

Synonyms: 4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-one, Tox-Hid, Warf, Warfarat, co-r-tox, co-rax, d-con, dethmor, mar-fin, rattunal, rax, rodex, rosex, solfarin, coumafene, 3-(a-acetylbenzyl)-4-hydroxy-Coumarin, Warfarin-alcohol, (RS)-Warfarin, 1-(4'-Hydroxy-3'-coumarinyl)-1-phenyl-3-butanone, 3-(a-Acetylbenzyl)-4-hydroxycoumarin, 3-(a-Phenyl-b-acetylethyl)-4-hydroxycoumarin, 3-(1'-Phenyl-2'-acetylethyl)-4-hydroxycoumarin, 4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2H-chromen-2-one, Athrombine-K, Brumolin, coumadin, Coumafen, Coumaphen, Coumefene, DL-3-(a-Acetylbenzyl)-4-hydroxycoumarin, dethmor, dethnel, fasco fascrat powder, Kumader, Kumadu, Kumatox, rac-Warfarin, maveran, ratox, rat-mix, rat-o-cide, Ratron, Ratron G, Rodafarin, Rodafarin C, Temus W, Vampirinip II, Vampirinip III, W.A.R.F. 42, WARF compound 42, Warfarin, Zoocoumarin, numerous further names

Use: anticoagulant, rodenticide

Molecular formula: $C_{19}H_{16}O_4$

CAS No: 81-81-2 (old CAS numbers 56573-89-8, 5543-56-6)

EINECS No:

Physical data

Appearance: solid

Melting point: 161 - 162 C
Boiling point: decomposes
Vapour density:
Vapour pressure:
Density (g cm⁻³):
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility: 1.7 mg/100 ml at 20 C

Stability

Toxicology

Very toxic if swallowed or inhaled. Causes internal hemorrhage.
Toxic if absorbed through the skin. May act as a teratogen.

Toxicity data

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

ORL-RAT LD50 3 mg kg⁻¹ to 186 mg kg⁻¹

SKN-RAT LD50 1400 mg kg⁻¹

ORL-MUS LD50 60 mg kg⁻¹

ORL-HMN LDLO 7 mg kg⁻¹

ORL-MUS LD50 374 mg kg⁻¹

Risk phrases

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

R24 R26 R28 R48 R61.

Transport information

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

Personal protection

Safety glasses, gloves. Take care to avoid breathing dust.

Safety phrases

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

S24 S25 S45 S53.

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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.
