

Safety (MSDS) data for thalidomide



General

Synonyms: 2-(2,6-dioxo-3-piperidinyl)-1H-isoindole-1,3(2H)-dione, distaval, softenon, talimol, 2-phthalimidoglutarimide, nibrol, many other non-systematic names

Molecular formula: $C_{13}H_{10}N_2O_4$

CAS No: 50-35-1

EC No:

Physical data

Appearance: white powder or crystals

Melting point: 269 - 271 C

Boiling point:

Vapour density:

Vapour pressure:

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

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: negligible

Stability

Stable. Combustible. Incompatible with strong oxidizing agents.

Toxicology

Toxic if swallowed. Known human teratogen - this material causes serious reproductive defects.

Toxicity data

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

ORL-RAT LD50 113 mg kg⁻¹

SKN-RAT LD50 1550 mg kg⁻¹

ORL-MUS LD50 2000 mg kg⁻¹

IPR-MUS LDLO 800 mg kg⁻¹

Risk phrases

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

R25 R47.

Transport information

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

Hazard class 6.1. Packing group III. UN No 2811.

Personal protection

Safety glasses, adequate ventilation, gloves. Do not handle if pregnant.

Safety phrases

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

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