

Safety (MSDS) data for chlordane



General

Synonyms: 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan, octachloro-4,7-methanohydroindane, aspon-chlordane, belt, gamma-chlordan, chlorindan, chlor kil, chlorodane, corodane, dichlorochlordene, dowchlor, kypchlor, niran, octachlor, synklor, tat chlor 4, topichlor, topichlor 20, toxichlor, starchlor, kilex lindane, termi-ded, further trade names

Use: organochlorine pesticide

Molecular formula: $C_{10}H_6Cl_8$

CAS No: 57-74-9

EINECS No:

Physical data

Appearance: off-white powder

Melting point: 106 - 107 C

Boiling point: ca. 175 C (decomposes)

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$): ca. 1.6

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility:

Stability

Stable, but readily decomposed by moderately strong alkaline solutions. Corrodes iron and zinc and attacks some types of polymer. Incompatible with strong oxidizing agents.

Toxicology

Toxic if ingested. Harmful in contact with the skin or inhaled. May cause systemic effects. Experimental carcinogen, teratogen.

Toxicity data

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

ORL-RAT LD50 200 mg kg⁻¹
IHL-CAT LC50 100 mg m⁻³/4h
IPR-MUS LD50 240 mg kg⁻¹
IVN-MUS LD50 10 mg kg⁻¹
ORL-RBT LD50 100 mg kg⁻¹
SKN-HMN LDLO 428 mg kg⁻¹
ORL-QAL LD50 83 mg kg⁻¹

Risk phrases

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

R20 R21 R25.

Transport information

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

UN No 2761. Hazard class 6.1. Packing group III.

Personal protection

Safety glasses, gloves, adequate 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 March 9, 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.
