

# Safety (MSDS) data for pentachlorophenol

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## General

Synonyms: PCP, 2,3,4,5,6-pentachlorophenol, pentachlorophenate, penta, numerous trade names

Use: herbicide and fungicide

Molecular formula:  $C_6HCl_5O$

CAS No: 87-86-5

EC No:

## Physical data

Appearance: odourless white or light brown powder or crystals

Melting point: 174 C

Boiling point: 310 C

Vapour density: 9.2

Vapour pressure:

Specific gravity: 1.98

Flash point:

Explosion limits:

Autoignition temperature:

## Stability

Stable. Incompatible with strong oxidizing agents.

## Toxicology

**Very toxic by inhalation. Toxic by ingestion. Inhalation or ingestion may be fatal. Risk of irreversible effects. Severe eye irritant. Inhalation may cause poisoning of the circulatory system with**

**possible heart failure. Readily absorbed through the skin.** Typical TLV 0.5 mg/m<sup>3</sup>. Typical PEL 0.5 mg/m<sup>3</sup>.

### **Toxicity data**

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

ORL-RAT LD50 50 mg kg<sup>-1</sup>

IPR-RAT LD50 56 mg kg<sup>-1</sup>

SCU-RAT LD50 100 mg kg<sup>-1</sup>

SKN-RAT LD50 105 mg kg<sup>-1</sup>

### **Risk phrases**

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

R24 R25 R26 R36 R37 R38 R40 R50.

## **Transport information**

## **Environmental information**

Very toxic to aquatic organisms.

## **Personal protection**

Safety glasses, gloves, good ventilation.

### **Safety phrases**

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

S1 S2 S22 S36 S37 S45 S52.

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