

# Safety (MSDS) data for tin (IV) chloride



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## General

Synonyms: tin chloride, tin chloride pentahydrate, stannic chloride pentahydrate, tin chloride 5-hydrate, stannic chloride 5-hydrate, tin (+4) chloride, tin perchloride, tin tetrachloride, stannic chloride, libavium fuming spirit, tetrachlorostannane  
Molecular formula:  $\text{SnCl}_4 \cdot 5\text{H}_2\text{O}$   
CAS No: 7646-78-8  
EC No: 231-588-9

## Physical data

Appearance: colourless liquid  
Melting point: -33 C  
Boiling point: 114 C  
Vapour density: 9 (air = 1)  
Vapour pressure: 20 mm Hg at 22C  
Density ( $\text{g cm}^{-3}$ ): 2.26  
Flash point:  
Explosion limits:  
Autoignition temperature:  
Water solubility:

## Stability

Stable, but may decompose upon exposure to moist air or water.  
Incompatible with strong bases, alcohols.

## Toxicology

Toxic. May be fatal if inhaled, ingested or absorbed through the skin.  
Corrosive - severe skin and eye irritant.

### **Toxicity data**

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

IPR-MUS LD50 99 mg kg<sup>-1</sup>

IHL-RAT LC50 2300 mg/m<sup>3</sup>/10m

IPR-MUS LD50 46 mg kg<sup>-1</sup>

### **Risk phrases**

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

R23 R24 R25 R34 R37.

## **Transport information**

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

UN No: 1827. Packing group II. Hazard class 8.0. Transport category 2.

## **Personal protection**

Safety glasses, gloves, good ventilation.

### **Safety phrases**

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

S7 S8 S26 S36 S37 S39 S45.

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