



# Product Specification

## Product Name: TIN(II) CHLORIDE Dihydrate AR

Alternate Name(s) Stannous chloride; Tin dichloride; Tin protochloride; Tin salt; Tin crystals.

### Description

White to yellow colour. Solid.

### Properties

Chemical Formula:  $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$

Molecular Weight: 225.65

Product Code: SA060

CAS No. 10025-69-1

### General Information:

Incompatible with strong oxidizing agents, bromine trifluoride, calcium carbide, ethylene oxide, hydrazine hydrate, potassium and sodium. Absorbs oxygen from air and forms the insoluble oxychloride.

### Hazard and Safety Data

UN Group: III  
Class: 8  
UN Number: 3260  
Hazchem code: 2X  
CS MSDS Code: 1CH74  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 37

### Quality Specification

Assay: 98.0% min.

### Specific Properties and Impurities [Typical levels]:

Melting Point	37.7°C
Specific Gravity	2.71
Solubility in Water	1187 g/L @ 20°C
Solubility in hydrochloric acid	Passes Test
Sulfate (SO <sub>4</sub> )	Passes Test
Calcium (Ca)	≤ 0.005%
Iron (Fe)	≤ 0.003%
Heavy metals as (Pb)	≤ 0.01%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.01%

CONFORMS TO ACS

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