

Tin(II) chloride dihydrate, Pharmpur®, Ph Eur, BP**Identification**SnCl₂·2H₂O

M = 225,63 g/mol

CAS [10025-69-1]

EC number: 231-868-0

Taric code: 2827 39 10

Synonyms

Hydrochloric acid tin(II) salt dihydrate, Stannous chloride, Stannochlor

Applications

analytical chemistry, laboratory reagent, for the detection of: arsenic, mercury, bismuth and gold, in pharma industry.

Specifications

assay (iodometric).....98,0 - 102,0 %
Identification A (EP)..... passes test
Identification B (EP)..... passes test
Identification chloride..... passes test

appearance of solution..... clear and colourless
sulfates (SO₄)..... max. 500 ppm
iron (Fe)..... max. 100 ppm
non-precipitable by thioacetamide..... max. 0,2 %

Physical data

- Appearance: crystals, white
- Spec. Density: 2,71 g/cm³
- Bulk density: ~ 1250 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 37,7 °C
- pH(100 g/lH₂O, 20 °C) ~ 1 - 2

Safety - GHS**Signal Word:** Danger**Hazard Statements:**

- H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C2 III • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Tin(II) chloride dihydrate)
- IMDG: 8 III • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Tin(II) chloride dihydrate)
- IATA/ICAO: 8 III • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Tin(II) chloride dihydrate)
- PAX: 860
- CAO: 864
- 10°C - 30°C