



Safety Data Sheet  
According to Regulation (EC) 1907/2006  
and (EU) 453/2010

## 1303 Tin(II) Chloride 2-hydrate

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Name:

Tin(II) Chloride 2-hydrate

#### Synonym:

Stannous Chloride

CAS: [10025-69-1]

REACH Registration Number: 01-2119971277-28-XXXX

#### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

#### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

#### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

### 2. Identification of dangers

#### 2.1 Classification of the substance or the mixture.

## Classification Regulation (CE) nº 1272/2008.

Aquatic Chronic 1  
Eye Irrit. 2  
STOT SE 3  
Skin Irrit. 2  
STOT RE 2  
Acute Toxicity Inhalation cat. 4  
Skin Sens. 1  
Muta. 2  
Repr. 2

## Classification (67/548/CEE or 1999/45/CE).

<b>Xi</b> Irritant	R34
<b>Xn</b> Harmful	R22
<b>C</b> Corrosive	R43

## 2.2 Label elements:

### Hazard Pictograms



### Signal word

Warning

### Hazard statements

H410 Very toxic to aquatic life with long lasting effects.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H332 Harmful if inhaled.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H361 Suspected of damaging fertility or the unborn child.

### Precautionary statements

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

For the full text of the R-phrases mentioned in this section, see section 16.

### **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Tin(II) Chloride 2-hydrate

Formula:  $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$  M.= 225,63 CAS [10025-69-1]

EC number (EINECS): 231-868-0

REACH Registration Number: 01-2119971277-28-XXXX

## **4. First aid measures**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

### **4.4 Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

### **4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Call for medical help.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

As appropriate to the environment.

### **5.2 Unsuitable extinguishing media:**

No specific data.

### **5.3 Special hazards arising from the substance or mixture:**

Incombustible. In the event of fire, toxic fumes may form:  $\text{Cl}_2, \text{HCl}$ .

### **5.4 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the dust.

### **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

### **6.3 Methods and material for containment and cleaning up:**

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

No special indications.

### **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. Dry atmosphere.

**Recommended storage temperature:** Room temperature.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

No special indications.

### **8.2 Control parameters:**

VLA-ED(Sn): 2 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Full Facial Mask Filter P3.

### **8.4 Hand protection:**

Use suitable gloves (neopren, nitrile)

### **8.5 Eye/face protection:**

Use safety glasses.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: ~1 - 2

Melting point/freezing point: 38 °C

Initial boiling point and boiling range: 652 °C

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

2,71 g/ml

Solubility: 1.187 g/l in water ( 20 °C )

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

The product is chemically stable under standard ambient conditions (room temperature).

### **10.2 Incompatible materials:**

Carbides. Halogen halides. Hydrazine and derivatives. Alkaline metals. Nitrates. Hydrogen peroxide.

### **10.3 Hazardous decomposition products:**

Chlorine. Hydrogen chloride.

### **10.4 Chemical stability:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : 700 mg/kg

LD50 ipr mus : 105 mg/kg

### **11.2 Dangerous effects for health:**

If dust inhaled: Irritations to the respiratory tracts. Inhaling large quantities of metal fumes can cause fever. Upon contact with the skin: irritations Through contact with the eyes: irritations Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

- **EC50 test (mg/l):**

- **Receptor medium:**

Risk for the water environment

Risk for the land environment

- **Observations:**

Ecotoxic data not available.

## **12.2 Persistence and Degradability :**

- **Test:**

- **Biotic degradation classification:**

BOD5/COD

Biodegradability

- **Abiotic degradation depending on pH:**

- **Observations:**

## **12.3 Bioaccumulative potential:**

- **Test:**

- **Bioaccumulation:**

Risk

- **Observations:**

## **12.4 Mobility in soil :**

Data not available.

## **12.5 Assessment PBT and MPMB :**

Data not available.

## **12.6 Other adverse effects:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

Product hardly pollutant for water.

DATA BASED on the components of the preparation.

(Soluble copper compounds)

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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## **14. Transport information**

Overland (ADR):

Technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

UN 3260 Class: 8 Packaging group: III (E)

By sea (IMDG):

Technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

UN 3260 Class: 8 Packaging group: III

By air (ICAI-IATA):

Technical name: Corrosive solid, acidic, inorganic, n.o.s

UN 3260 Class: 8 Packaging group: III

Packaging instructions: CAO 864 PAX 860

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 16. Other information

### Other precautionary statements

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P273 Avoid release to the environment.

P391 Collect spillage.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

### Labelling (65/548/CEE or 1999/45/CE)

R-phrase(s): **R34** Causes burns.  
**R22** Harmful if swallowed.  
**R43** May cause sensitisation by skin contact.

S-phrase(s): **S27** Take off immediately all contaminated clothing.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S39** Wear eye/face protection.

Version and revision date : 5 12.06.2017

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In respect of the previous review, changes have been made to the following sections: 1,2,8,14

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.