

Safety Data Sheet  
According to Regulation (EC) 1907/2006



## 2323 Chloramine T 3-hydrate

### 1. Identification of the substance/preparation and of the company or firm

#### 1.1 Identification of the substance or preparation

Name:

Chloramine T 3-hydrate

#### Synonym:

Sodium 4-Toluenesulphonamidochloramide, Sodium N-Chlorotoluene-4-Sulphonamide, Sodium Tosylchloramide

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

#### 1.2 Use of the substance/preparation:

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

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Acute Tox. 4

Skin Corr. 1B

Resp. Sens 1

#### Hazard Pictograms



**Signal word**

Danger

**Hazard statements**

H302 Harmful if swallowed.

EUH031 Contact with acids liberates toxic gas.

H314 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

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

C Corrosive

R42

R34

R31

R22

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

**3. Component Composition/Information**

Name: Chloramine T 3-hydrate

Formula:  $C_7H_7ClNNaO_2S \cdot 3H_2O$  M.= 281,69 CAS [7080-50-4]

EC number (EINECS): 204-854-7

EC index number: 616-010-00-9

**4. First aid****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.

**4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

**4.4 Eyes:**

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

**4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Seek medical assistance.

**5. Fire-fighting means**

**5.1 Suitable fire-extinguishing means:**

Water.

**5.2 Fire-fighting means which must NOT be used:**

No specific data.

**5.3 Special risks:**

Combustible. Keep away from sources of ignition. In the event of fire, fumes may form: SO<sub>x</sub>, HCl, Cl<sub>2</sub>. Risk of explosion in the event of decomposition.

**5.4 Protective equipment:**

Suitable clothing and footwear.

**6. Measures to be taken in the event of accidental spillage****6.1 Individual precautions:**

Avoid contact with the skin, eyes or clothing.

**6.2 Precautions for care of the environment:**

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

**6.3 Methods for collection/cleaning:**

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 Handling:**

No special indications.

**7.2 Storage:**

28 °C Storage: Well sealed containers. Dry atmosphere.

**8. Staff exposure/protection controls****8.1 Technical protective measures:**

No special indications.

**8.2 Exposure limit control:**

: Data not available.

**8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection.

**8.4 Hand protection:**

Use suitable gloves

**8.5 Eye protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands 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: Characteristic.

pH: 8 - 10

Melting point/freezing point: 167 - 170 °C

Initial boiling point and boiling range:

N/A

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:

N/A

Solubility: in Soluble in water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: above 130 °C

Viscosity: N/A

## **10. Stability and reactivity**

### **10.1 Conditions which should be avoided:**

Risk of explosion in the event of decomposition.

### **10.2 Matter which should be avoided:**

Air

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

No specific data.

### **10.4 Complementary information:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

: Data not available.

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

If inhaled: Irritations to the mucosae breathing difficulties Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: nausea vomiting Irritation of the digestive apparatus Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

Fish (24h) 120 mg/l

Classification: Highly toxic

Fish (96h) 84 mg/l

Classification: Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

12.1.3. - Observations:

Ecotoxic in water environment.

Disinfectant effect.

### **12.2 Persistence and Degradability :**

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Data not available.

### **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Data not available.

### **12.4 Mobility in soil :**

Data not available.

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

Data not available.

### **12.6 Other possible effects on the environment:**

Do not allow it to enter soils or water channels.

Do not allow it to enter the sewage system.

Water-pollutant product.

## **13. Considerations regarding elimination**

### **13.1 Substance or preparation:**

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. Information concerning transport**

Overland (ADR):

Technical name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

UN 3263 Class: 8 CONTAM. MAR Packaging group: III (E)

By sea (IMDG):

Technical name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

UN 3263 Class: 8 CONTAM. MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Corrosive solid, basic, organic, n.o.s.

UN 3263 Class: 8 CONTAM. MAR 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.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P304+P341 IF INHALED: If breathing is difficult, 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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

R-phrase(s):      **R42** May cause sensitisation by inhalation.  
                          **R34** Causes burns.  
                          **R31** Contact with acids liberates toxic gas.  
                          **R22** Harmful if swallowed.

S-phrase(s):      **S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.  
                          **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
                          **S22** Do not breathe dust.  
                          **S7** Keep container tightly closed.  
                          **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Review number and date: 4 15.09.2011

Date published: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 15

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.