

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 (REACH)**

Printing date 31.10.2013

Revision: 31.10.2013

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** Chloramine T trihydrate, reagent grade, ACS
- **Article number:** CL0020
- **CAS Number:**  
7080-50-4
- **EC number:**  
204-854-7
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation:** Laboratory reagent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Scharlab, S.L.  
C/Gato Pérez, 33. Pol.Ind. Mas d'en Cisa  
08181 Sentmenat (Barcelona) SPAIN  
Tel: (+34) 93 745 64 00 - FAX: (+34) 93 715 27 65  
email: scharlab@scharlab.com  
Internet Web Site: www.scharlab.com
- **Regional representation:**  
Chem-Supply Pty Ltd  
38-50 Bedford Street  
Gillman South Australia 5013 AUSTRALIA  
Tel: (08) 8440 2000 - FAX: (08) 8440 2001  
email: info@chemsupply.com.au  
Internet Web Site: www.chemsupply.com.au
- **Further information obtainable from:** technical department
- **Emergency telephone number:**  
EMERGENCY CONTACT NUMBER: +61 08 8440 2000  
Business hours: 8:30am to 5:00pm, Monday to Friday.

**2 Hazards identification**

- **Classification of the substance or mixture**



GHS06 skull and crossbones

H301 Toxic if swallowed.



GHS08 health hazard

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



GHS05 corrosion

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



C; Corrosive

R34: Causes burns.

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Xn; Harmful

R22: Harmful if swallowed.



Xn; Sensitising

R42: May cause sensitisation by inhalation.

R31: Contact with acids liberates toxic gas.

• **Information concerning particular hazards for human and environment:** Not applicable.• **Label elements**• **GHS label elements**

The substance is classified and labelled according to the Globally Harmonized System (GHS).

• **Hazard pictograms**

GHS05 GHS06 GHS08

• **Signal word** Danger• **Hazard statements**

Toxic if swallowed.

Causes severe skin burns and eye damage.

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

• **Precautionary statements**

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

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

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

Immediately call a POISON CENTER or doctor/physician.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Information concerning particular hazards for human and environment:**• **Safety phrases:**

7 Keep container tightly closed.

22 Do not breathe dust.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

• **Other hazards**• **Results of PBT and vPvB assessment**• **PBT:** Not applicable.• **vPvB:** Not applicable.**3 Composition/information on ingredients**• **Chemical characterization: Substances**• **CAS No. Description**

7080-50-4 Cloramina T trihidrato

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- **Identification number(s)**
- **EC number:** 204-854-7

**4 First aid measures**

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Call for a doctor immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Firefighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.
- **Hazchem code:** 2X

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Thorough dedusting.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of dust.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**· Eye protection:**

Tightly sealed goggles

**9 Physical and chemical properties****· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:**

Solid

**Colour:**

Whitish

**· Odour:**

Chlorine-like

**· Odour threshold:**

Not determined.

**· pH-value:**

Not applicable.

**· Change in condition****Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

Undetermined.

**· Flash point:**

Not applicable.

**· Flammability (solid, gaseous):**

Product is not flammable.

**· Ignition temperature:****Decomposition temperature:**

Not determined.

**· Self-igniting:**

Not determined.

**· Danger of explosion:**

Product does not present an explosion hazard.

**· Explosion limits:****Lower:**

Not determined.

**Upper:**

Not determined.

**· Vapour pressure:**

Not applicable.

**· Density:**

Not determined.

**· Relative density**

Not determined.

**· Vapour density**

Not applicable.

**· Evaporation rate**

Not applicable.

**· Solubility in / Miscibility with  
water at 25 °C:**

150 g/l

**· Partition coefficient (n-octanol/water):**

Not determined.

**· Viscosity:****Dynamic:**

Not applicable.

**Kinematic:**

Not applicable.

**· Other information**

No further relevant information available.

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### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with acids releases toxic gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through inhalation.
- **Additional toxicological information:**  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

- **UN-Number** UN3263
- **ADG, IMDG, IATA**
- **UN proper shipping name** 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Cloramina T trihidrato)
- **ADG** CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Cloramina T trihidrato)
- **IMDG, IATA**
- **Transport hazard class(es)**
- **ADG, IMDG, IATA**
- 
- **Class** 8 Corrosive substances.
- **Label** 8
- **Packing group** III
- **ADG, IMDG, IATA**
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Corrosive substances.
- **EMS Number:** F-A,S-B
- **Segregation groups** Alkalis
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **ADG**
- **Limited quantities (LQ)** 5 kg
- **Transport category** 3
- **Tunnel restriction code** E
- **UN "Model Regulation":** UN3263, CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Cloramina T trihidrato), 8, III
- **Hazchem code:** 2X

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Australian Inventory of Chemical Substances** Substance is not listed.
- **Standard for the Uniform Scheduling of Drugs and Poisons** Substance is not listed.
- **GHS label elements**  
The substance is classified and labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05



GHS06



GHS08

- **Signal word** Danger

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**• Hazard statements**

Toxic if swallowed.

Causes severe skin burns and eye damage.

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

**• Precautionary statements**

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

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

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

Immediately call a POISON CENTER or doctor/physician.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**• Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**• Department issuing MSDS:** product safety department**• Contact:** msds@scharlab.com**• Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADG: Australian Code for the Transport of Dangerous Goods by Road &amp; Rail.

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)