

## Safety Data Sheet CHLORAMINE-T

SDS no. XGDWG9FZ • Version 1.0 • Date of issue: 2025-09-06

### SECTION 1: Identification

#### GHS Product identifier

Product name CHLORAMINE-T

#### Other means of identification

Product Product Code

Chloramine T LR CL215

Chloramine T TG CT215

#### Recommended use of the chemical and restrictions on use

Reagent for detection of bromates and halogens, synthesis of organic products, analysis and medicine (antiseptic).

#### Supplier's details

Name ChemSupply Australia Pty Ltd  
Address 38-50 Bedford Street  
5013 Gillman South Australia  
Australia

Telephone 08 8440 2000  
email [www.chemsupply.com.au](http://www.chemsupply.com.au)

#### Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

### SECTION 2: Hazard identification

#### General hazard statement

Classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

#### Classification of the substance or mixture

#### GHS classification in accordance with: UN GHS revision 7

- Acute toxicity, oral, Cat. 4
- Respiratory sensitizer, Cat. 1B
- Skin corrosion/irritation, Cat. 1B
- Serious eye damage/eye irritation, Cat. 1

#### GHS label elements, including precautionary statements

#### Pictograms

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### Signal word

**Danger**

### Hazard statement(s)

H302

Harmful if swallowed

H314

Causes severe skin burns and eye damage

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled

AUH031

Contact with acids liberates toxic gas

### Precautionary statement(s)

P260

Do not breathe dust/fume/gas/mist/vapors/spray.

P264

Wash hands thoroughly after handling.

P270

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

P280

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

P284

[In case of inadequate ventilation] wear respiratory protection.

P301+P312

IF SWALLOWED: Call a POISON CENTER/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): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340

IF INHALED: Remove person to fresh air and keep 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.

P310

Immediately call a POISON CENTER/doctor/physician

P342+P311

If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician

P363

Wash contaminated clothing before reuse.

P405

Store locked up.

P501

Dispose of contents/container to an approved waste disposal facility

### Other hazards which do not result in classification

[Q3] Pictogram(s): Corrosion, Exclamation mark, Health hazard

[Q2] Precautionary statement – Prevention: P260 Do not breathe 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.

[Q3] Precautionary statement – Response: P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.; P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.; P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.; P363 Wash contaminated clothing before reuse.; P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.; P310 Immediately call a POISON CENTER or doctor/physician.; P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.; ; P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[Q4] Precautionary statement – Storage: P405 Store locked up.

[Q5] Precautionary statement – Disposal: P501 Dispose of contents/container to an approved waste disposal plant.

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## SECTION 3: Composition/information on ingredients

### Mixtures

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<b>Molecular weight</b>	281.69
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<b>Component</b>	<b>Identification</b>	<b>Weight %</b>	<b>Classifications</b>
Chloramine t trihydrate	CAS no.: 7080-50-4	<= 100 %	CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Sensitization - respiratory, Cat. 1B; Skin corrosion/irritation, Cat. 1B. HAZARDS: H302 - Harmful if swallowed; H314 - Causes severe skin burns and eye damage; H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.  First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician
In case of eye contact	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention.
If swallowed	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical assistance.

#### Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Small fire: Use dry chemical, CO<sub>2</sub> or water spray. If safe to do so, move undamaged containers from fire area.  
Large fire: Use dry chemical, CO<sub>2</sub>, foam or water spray - Do not use water jets.  
Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside containers.

#### Specific hazards arising from the chemical

Hazards from Combustion Products: Oxides of nitrogen, sulfur and carbon. Hydrogen chloride gas and chlorine gas.

May burn but do not ignite readily. Runoff may pollute waterways. May be transported in a molten form. Fire will produce irritating, poisonous and/or corrosive gases.

#### Special protective actions for fire-fighters

Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

#### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

Provision of sufficient ventilation. Handle and open container with care. Avoid dust formation. Clear contaminated areas thoroughly.

#### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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### SECTION 8: Exposure controls/personal protection

#### Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

##### Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

##### Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

##### Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/ NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

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### SECTION 9: Physical and chemical properties

#### Basic physical and chemical properties

Physical state	Solid
Appearance	White or slightly yellow crystals or powder.

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Color	No data available.
Odor	Slight odour of chlorine.
Odor threshold	No data available.
Melting point/freezing point	167 - 170 °C (anhydrous substance)
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/ flammability limit	No data available.
Flash point	192 °C (Closed Cup)
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	60 °C
Oxidizing properties	No data available.
pH	~8 - 10 (50 g/l, H <sub>2</sub> O, 20 °C)
Kinematic viscosity	No data available.
Solubility	Solubility in Water: Soluble, 150 g/l (25 °C). Solubility in Organic Solvents: Insoluble in benzene, chloroform and ether. Decomposed by alcohol.
Partition coefficient n-octanol/ water (log value)	log P(o/w): 0.84 (calculated)
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	No data available.
Relative vapor density	No data available.
Particle characteristics	No data available.

### Supplemental information regarding physical hazard classes

No data available.

### Further safety characteristics (supplemental)

Other Information: Contains 11.5-13% active chlorine.

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## SECTION 10: Stability and reactivity

### Reactivity

Stable under normal conditions of storage and handling.

### Chemical stability

Stable under ordinary conditions of use and storage. Decomposes slowly in air, liberating chlorine.

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### Possibility of hazardous reactions

May decompose violently if heated. Contact with acids liberates toxic gas.

### Conditions to avoid

Heating (explosive decomposition if heated above 130 °C), air and moisture.

### Incompatible materials

Strong oxidisers (violent reactions possible), ammonia and acids.

### Hazardous decomposition products

Oxides of carbon, nitrogen and sulfur and hydrogen chloride gas.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Acute Toxicity - Oral: LD50 (rat): 935 mg/kg.

Ingestion: Harmful if swallowed. Causes burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

Inhalation: May cause sensitisation by inhalation. Irritating to mucous membranes and upper respiratory tract. May cause coughing and dyspnoea.

#### Skin corrosion/irritation

Causes burns.

Skin corrosion/irritation: Skin Corrosion/Irritation: Category 1  
H314 Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Causes burns. Risk of blindness.

#### Respiratory or skin sensitization

Respiratory sensitisation: Sensitization - Respiratory: Category 1  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sensitisation:

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### Specific target organ toxicity (STOT) - single exposure

Not classified based on available information.

#### Specific target organ toxicity (STOT) - repeated exposure

Not classified based on available information.

#### Aspiration hazard

Not classified based on available information.

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### SECTION 12: Ecological information

#### Toxicity

Biological Properties: Disinfectant effect.

#### Persistence and degradability

Biodegradation: 90%/28d.

Readily biodegradable.

#### Bioaccumulative potential

Behaviour in environmental compartments:

log P(o/w): 0.84 (calculated)

No bioaccumulation is to be expected (log P(o/w)<1).

#### Mobility in soil

Likely to be mobile in the environment due to its solubility.

#### Other adverse effects

Environmental Fate: Large amount will affect pH and harm aquatic organisms.

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### SECTION 13: Disposal considerations

#### Disposal methods

##### Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

##### Sewage disposal

Behaviour in environmental compartments:

log P(o/w): 0.84 (calculated)

No bioaccumulation is to be expected (log P(o/w)<1).

##### Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

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### SECTION 14: Transport information

#### ADG (Road and Rail)

UN Number: 3263

Class: 8

Packing Group: II

Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Chloramine-T trihydrate)

#### Hazchem emergency action code (EAC)

2X

#### IMDG

UN Number: 3263

Class: 8

Packing Group: II

Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Chloramine-T trihydrate)

#### IATA

UN Number: 3263

Class: 8

Packing Group: II

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Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Chloramine-T trihydrate)

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### SECTION 15: Regulatory information

#### Safety, health and environmental regulations specific for the product in question

##### Australia SUSMP

Poison Schedule: S5

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### SECTION 16: Other information

#### Further information/disclaimer

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

#### Preparation information

All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.

Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), [hcis.safeworkaustralia.gov.au](http://hcis.safeworkaustralia.gov.au)

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)