

Section 1. Identification

1.1 Product Identifier 4968

Product Name CHLORAMINE T

CAS Number 149358-73-6

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula $C7H7ClNNaO2S \cdot xH2O$

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Skin corrosion/irritation, category 1B

Acute toxicity, category 4 (oral)

Respiratory sensitization, category 1

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

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

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements	Harmful if swallowed. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	Avoid breathing dust / fume / gas / mist / vapours / spray. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Supplemental Hazard Information (EU)	Contact with acids liberates toxic gas.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Chloramine t	149358-73-6	204-854-7		>95%	Skin Corr. 1B, Acute Tox. 4 (O), Resp. Sens. 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Take off immediately all contaminated clothing. Thoroughly wash off skin with soap and water. Call a POISON CENTER or doctor/physician.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing stops or shows signs of failing, apply artificial resuscitation. Call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting. If conscious wash out mouth with water. Call a POISON CENTER or doctor/physician.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

Main health hazard is that it causes severe burns to skin and eyes. Larger doses cause nausea, vomiting, cyanosis, collapse and coma.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Water spray, alcohol resistant foam, dry powder or carbon dioxide.
Unsuitable Media	Do not use high pressure extinguishers or water jets.

5.2 Special hazards arising from the substance or mixture

Hazards	Carbon oxides, nitrogen oxides, sulphur oxides and sodium oxides. Will decompose to emit toxic and irritant fumes of hydrogen chloride.
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5.3 Advice for firefighters

Advice for firefighters	Self-contained breathing apparatus must be available in case of emergency. Consider all other materials in the vicinity.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Avoid breathing dust. Wear respiratory protection. Avoid the formation or spread of dust in the air. Evacuate area. Ensure adequate ventilation. See section 8.2 for information on protective equipment and section 13 for information on disposal.
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6.2 Environmental precautions

Environmental Collect spillage. Keep material out of sewers, storm drains, surface waters and soil. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Major Spillage Avoid creating dust. Sweep up and transfer to a suitable container for disposal.
Minor Spillage Shovel/sweep up into container for removal

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well ventilated place. Keep container tightly closed. Keep well separated from acids.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Chloramine t	149358-73-6	>95%	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection Avoid breathing dust-wear respiratory protective equipment. A respiratory sensitiser.
Hand Protection Wear protective gloves.
Eye Protection Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection Wear suitable protective clothing.
Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance White to yellow powder.
Odour Not available
pH ~8-10
Boiling Point Not available
Melting Point 167-170°C
Flash Point Not applicable
Upper Flammable Limit Not applicable
Lower Flammable Limit Not applicable
Auto Ignition Not applicable
Explosive Properties Not applicable
Oxidising Properties Not applicable
Vapour Pressure Not applicable
Relative Density 1.43g/ml
Water Solubility Completely soluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

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| 10.1 | Reactivity | No data available. |
| 10.2 | Chemical Stability | Stable under normal conditions |
| 10.3 | Possibility of hazardous reactions | No data available. |
| 10.4 | Conditions to Avoid | No specific conditions. |
| 10.5 | Incompatible Materials | Keep well separated from acids and oxidising agents. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

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| Eyes | Causes damage to eyes. |
| Skin | Cause severe irritation and burns to the skin. |
| LD50 Skin | Not available |
| Ingestion | Harmful if swallowed. May cause burns. |
| LD50 Oral | Not available |
| Inhalation | May cause sensitisation by dust inhalation. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | No data available. |

Section 12. Ecological

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| 12.1 | Toxicity | Presents no serious environmental problem. |
| | LC50 Algal | 80mg/l - 144h Algae |
| | LC50 Crustacea | Not available |
| | LC50 Fish | 31mg/l Guppy (Poecillia reticulata) (96 hours) |
| 12.2 | Persistence and degradability | No data available. |
| 12.3 | Bioaccumulative potential | No data available. |
| 12.4 | Mobility in soil | No data available. |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

Section 14. Transport Information

14.1 UN Number	3263
14.2 Proper Shipping Name	Corrosive solid, basic, organic, N.O.S. (Tosylchloramide sodium)
14.3 Transport classes	
UN classification	8
Subsidiary hazard(s)	None
Transport category	3
ADR Hazard ID	80
Tunnel Restriction Code	E
14.4 Packing Group	III
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Skin corrosion/irritation, category 1B; Acute toxicity, category 4 (oral); Respiratory sensitization, category 1
Signal word	Danger
Hazard Pictograms	
Hazard Statements	H302, H314, H334 Harmful if swallowed. Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	P261, P280, P305+P351+P338, P310 Avoid breathing dust / fume / gas / mist / vapours / spray. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Supplemental Hazard Information (EU)	EUH031 Contact with acids liberates toxic gas.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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