

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name:** Stabilised Chlorine Tablets

**CAS number:** 87-90-1

**EINECS number:** 201-782-8

**Index number:** 613-031-00-5

**Synonyms:** SYMCLOSENE

TRICHLORO-1,3,5-TRIAZINETRION

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** Swimming pool treatment.

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Pool Chemical Products

Unit 4,

Daimler Drive,

Cowpen Lane Industrial Estate,

Billingham,

TS23 4JD

**Email:** sales@poolchemicalproducts.co.uk

**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification under CHIP:** O: R8; Xn: R22; -: R31; Xi: R36/37; N: R50/53

**Classification under CLP:** Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319;  
Ox. Sol. 2: H272; STOT SE 3: H335

**Most important adverse effects:** Contact with combustible material may cause fire. Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.2. Label elements****Label elements under CLP:**

**Hazard statements:** H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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**Signal words:** Danger

**Hazard pictograms:** GHS03: Flame over circle  
GHS07: Exclamation mark  
GHS09: Environmental



**Precautionary statements:** P221: Take any precaution to avoid mixing with combustibles.  
P501: Dispose of contents/container to an approved waste facility.  
P337+313: If eye irritation persists: Get medical advice/attention.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P352: Wash with plenty of soap and water.  
P261: Avoid breathing dust.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: 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 if you feel unwell.  
P330: Rinse mouth.  
P391: Collect spillage.  
P403+233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

### Label elements under CHIP:

**Hazard symbols:** Oxidising.  
Harmful.  
Dangerous for the environment.



**Risk phrases:** R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
R36/37: Irritating to eyes and respiratory system.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S2: Keep out of the reach of children.

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S8: Keep container dry.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S41: In case of fire and / or explosion do not breathe fumes.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

### 2.3. Other hazards

**Other hazards:** Harmful if swallowed. Irritating to eyes. Irritating to respiratory system. Irritating to skin.

Very toxic to aquatic organisms

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

TRICHLOROISOCYANURIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
201-782-8	87-90-1	O: R8; Xn: R22; -: R31; Xi: R36/37; N: R50/53	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	>95%

**Contains:** Trichloroisocyanuric acid

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. If irritation persists seek medical attention.

**Eye contact:** Bathe the eye with running water for 15 minutes. Hold the eyelids apart during irrigation to ensure flushing of the entire surface of the eye and eyelids with water. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Harmless if swallowed.

**Inhalation:** May cause respiratory irritation.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water. Carbon dioxide. Do not use ammonium compounds as nitrogen trioxide will be formed (explosive and toxic).

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Non-flammable but will support combustion. Decomposition liberates chlorine, hypochlorous acid, cyanuric acid. Nitrogen trichloride can be generated slowly by reaction of small quantities of water with a high concentration of product. Nitrogen trichloride presents an explosive hazard.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Thoroughly decontaminate firefighting equipment including PPE after the incident.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Advise Authorities if spillage has entered water course or sewer or contaminated soil or vegetation. Sweep into suitable containers for recovery or disposal. Avoid creating a dust.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** When using do not smoke Never add water to product, always add product to water.

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

**Storage conditions:** Store in cool, well ventilated area. Avoid oxidising agents.

**Suitable packaging:** Must only be kept in original packaging.

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## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** Not applicable.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure there is exhaust ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respirator with chlorine cartridges and a dust / mist type pre-filter if dusts are created.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Ensure safety shower is to hand.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Solid

**Colour:** White

**Odour:** Chlorine Like

**Solubility in water:** 10 - 13 g/l@25 deg C.

**Melting point/range°C:** 225

**Relative density:** 0.95 g/cm<sup>3</sup>

**pH:** 2.7-3.3(1% soln)

### 9.2. Other information

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Avoid contact with water on concentrated material in the container. Oxidising agents. Acids. Bases. Avoid nitrogen containing compounds, sodium or calcium hypochlorite.

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## 10.6. Hazardous decomposition products

**Haz. decomp. products:** Chlorine containing gases can be produced. Gradually forms nitrogen trichloride (explosive gas) in damp, moist conditions.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
Skin	RBT	Draize	500mg	24Hr
ORAL	RAT	LD50	406	mg/kg
Eye	RBT	Draize	500	mg/kg
SKN	RAT	LD50	7600	mg/kg
ORL	RAT	LD50	406	mg/kg

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated
Irritation	OPT INH	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Harmless if swallowed.

**Inhalation:** May cause respiratory irritation.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	0.08-0.37	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H IC50	<0.5	mg/l
Daphnia magna	48H EC50	0.17-0.80	mg/l
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	0.20-0.40	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Only slightly biodegradable.

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### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Soluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms. Do not allow to enter rivers or lakes.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Disposal to a special waste disposal plant, in accordance with local council regulations. Disposal should be carried out by licenced contractors. Do not place product spillages, full or partially full containers into waste skips or waste compactors.

**Disposal of packaging:** Do not re-use containers. Rinse thoroughly before disposal.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2468

### 14.2. UN proper shipping name

**Shipping name:** TRICHLOROISOCYANURIC ACID, DRY

### 14.3. Transport hazard class(es)

**Transport class:** 5.1

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

## Section 15: Regulatory information

[cont...]

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H272: May intensify fire; oxidiser.  
H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
R36/37: Irritating to eyes and respiratory system.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legal disclaimer:** The user is required to satisfy themselves that the product is applied correctly.