

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PRO-SWIM MAXI TABLETS
CAS number: 87-90-1
EINECS number: 201-782-8
Product code: ONPRM007
Synonyms: SYMCLOSENE
TRICHLORO-S-TRIAZINETRIONE
TRICHLOROISOCYANURIC ACID

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: Pro Swim Supplied by: Water Treatment Products Ltd
Unit 1 Gilchrist Thomas Industrial Estate
Blaenavon
Pontypool
Torfaen
NP4 9RL
Tel: 01495 792790
Fax: 01495 792090
Email: sales@watertreatmentproducts.co.uk

1.4. Emergency telephone number

Emergency tel: 01495 792790
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

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; -: EUH031

Most important adverse effects: May intensify fire; oxidiser. Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Contact with acids liberates toxic gas.

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 2

2.2. Label elements

Label elements:

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.
EUH031: Contact with acids liberates toxic gas.

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



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P221: Take any precaution to avoid mixing with combustibles
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P405: Store locked up.
P501: Dispose of contents/container to an approved waste facility.

2.3. Other hazards

Other hazards: Oxidising.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 3

TRICHLOROISOCYANURIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-782-8	87-90-1	-	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 1: H410; Aquatic Acute 1: H400; -: EUH031	>90%

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If irritation persists seek medical attention.
- Eye contact:** Bathe the eye with running water for 15 minutes. If irritation persists seek medical assistance.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects: No data available.

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: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Alcohol resistant foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Oxidising. Corrosive. In combustion emits toxic fumes.

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.

Section 6: Accidental release measures

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 4

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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. Avoid dust formation.

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: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

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: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter must be available in case of emergency.
Particle filter P2 or P3

Hand protection: PVC gloves. Butyl gloves. Nitrile gloves. Glove thickness: 0.11mm Breakthrough time of the glove material > 6 hours

Eye protection: Safety goggles. When handling this product, the use of safety glasses with side shields is recommended. The applicable European Standard can be found in EN 166. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 5

Environmental: Avoid release to the environment

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: Soluble

Viscosity: Non-viscous

Melting point/range°C: 106- 130

Relative density: 2.07 g/cm³

pH: 2.6 - 3.2 (1% sol)

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

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. Hot surfaces. Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Reducing agents. Acids. Bases. Organic materials. Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: Contact with acids liberates toxic gas. In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
Eye	RBT	Draize	500	mg/kg

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 6

ORL	RAT	LD50	406	mg/kg
SKN	RAT	LD50	7600	mg/kg
Skin	RBT	Draize	500mg	24Hr
ORAL	RAT	LD50	406	mg/kg
DUST/MIST	RAT	1H LC50	>50	mg/l
DERMAL	RBT	LD50	>2000	mg/kg

Hazardous ingredients:

TRICHLOROISOCYANURIC ACID

Eye	RBT	Draize	500	mg/kg
ORAL	RAT	LD50	406	mg/kg
Skin	RBT	Draize	500mg	24Hr

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	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: There may be soreness and redness of the mouth and throat.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
BLUEGILL (<i>Lepomis macrochirus</i>)	96H LC50	0.20-0.40	mg/l
Daphnia magna	48H EC50	0.16-0.18	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H IC50	<0.5	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	0.08-0.37	mg/l
Fish (<i>Lepomis macrochirus</i>)	96H LC50	0.13-0.5	mg/l

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 7

Hazardous ingredients:

TRICHLOROISOCYANURIC ACID

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

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Do not allow to enter rivers or lakes.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Disposal should be carried out by licenced contractors. Do not allow entry to drains or waterways. Do not place product spillages, full or partially full containers into waste skips or waste compactors.

Disposal of packaging: Containers must be disposed of in a safe way.

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

[cont...]

SAFETY DATA SHEET

PRO-SWIM MAXI TABLETS

Page: 8

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

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 2015/830.

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

Phrases used in s.2 and s.3: EUH031: Contact with acids liberates toxic gas.

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.