

SAFETY DATA SHEET
PRO-SWIM MAXI PLUS TABLETS

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Compilation date: 21/3/2016

Revision date: 25/07/2019

Revision No: 5

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

1.1. Product identifier

Product name: PRO-SWIM MAXI PLUS TABLETS

CAS number: 87-90-1

EINECS number: 201-782-8

Product code: ONPRM058

Synonyms: SYMCLOSENE

TRICHLORO-S-TRIAZINETRIONE

TRICHIOROISOCYANURIC 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.

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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+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
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.
P501: Dispose of contents/container to an approved waste facility.

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 product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

[cont...]

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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%

Contains: Trichloroisocyanuric acid

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. 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. If irritation persists seek medical assistance.

Ingestion: Wash out mouth with water. Consult a doctor.

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: Harmless if swallowed.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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. Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: 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

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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.

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.

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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

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. Nitrile gloves. Rubber gloves. Glove thickness: 0.11mm Chemical resistant protective gloves (EN 374) Breakthrough time of the glove material > 4 hours.

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

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Skin protection: Impermeable protective clothing. Boots made of PVC.

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: 10 - 13 g/l@25 deg C.

Relative density: 2.07 g/cm³

pH: 2.7-3.3(1% soln)

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. Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Bases. Organic materials.

10.6. Hazardous decomposition products

Haz. decomp. products: 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
ORL	RAT	LD50	406	mg/kg

[cont...]

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SKN	RAT	LD50	7600	mg/kg
Skin	RBT	Draize	500mg	24Hr
DERMAL	RAT	LD50	5000	mg/kg
INHALATION	RAT	LC50	0.27	mg/l
ORAL	RAT	LD50	406	mg/kg
DERMAL	RBT	LD50	>2000	mg/kg
INHALATION	RAT	1H LC50	>50	mg/l

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: Harmless if swallowed.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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	96H LC50	0.22	mg/l

[cont...]

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FISH (<i>Lepomis macrochirus</i>)	96H LC50	0.13-0.50	mg/l
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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: No data available.

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 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

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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

Specific regulations: Not applicable.

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 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.