

SAFETY DATA SHEET

Product Name: Multifunctional Tablets

1. Chemical product and company identification

Product name	Multifunctional tablets
Chemical name	Trichloroisocyanuric acid
Product type and use	Swimming pools
Company identification	Swimmingpoolchemicals
Address and telephone number	Unit 5, Pool Bank Park High Street, Tarvin, Chester CH3 8JH
Emergency telephone number	01829 740290

2. Composition/Information on ingredients

Chemical Name	CAS No	Content %	Symbol	R-phrase(s)
Trichloroisocyanuric acid	87-90-1	92	Xn, N	22,31,36/37, 50/53

3. Hazards identification

Oxidiser

Contact with combustible material may cause fire. Harmful if swallowed. Irritating to eye, to respiratory system and, after prolonged exposure, also to skin. Fire risk in case of decomposition; nitrogen trichloride formation may cause an explosion. Very toxic to aquatic organisms, the product may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

Inhalation	Move the affected person from contaminated area.
Skin contact	Immediately remove contaminated clothing. Wash with plenty of water.
Contact with eyes	Flush immediately under flowing water with eyelids held open.
Ingestion	Wash out mouth with water. Drink water, milk or egg-white.

Product Name: Multifunctional Tablets

5. Fire-fighting measures

Suitable extinguishing media	Plenty of water.
Specific hazards during fire fighting	Combustion products, resulting gases.
Special protective equipment	Self-breathing apparatus and suitable protective clothing.
Additional advice	In case of fire, keep containers cool by spraying water.

6. Accidental release measures

Personal precautions:	Avoid dust formation.
Environmental precautions:	Do not empty into drains or watercourses.
Methods for cleaning up:	Minor spills can be flushed with plenty of water taking into consideration the effect of the active chlorine amount on the recipient water. Alternatively, they can be collected in clean, dry containers and disposed of by reduction with sodium sulphite under strictly controlled conditions and with trained personnel. In any case, refer to the manufacturer guidelines. If the collected product is moist or contaminated with reactive substance, it must be destroyed as soon as possible.

7. Handling and Storage

Safe Handling advice:	Ensure good ventilation and exhaustion of the working area.
Advice on protection against fire And explosion	Avoid contact with organic materials. This product fosters combustion. Keep away from sources of heat and ignition. No smoking. Avoid dust formation. Take precautionary measures against static discharges.
Storage Requirements for storage areas and containers	Store in closed containers in a dry, well-ventilated place. Protect from moisture and heat. Recommended storage temperature < 25°C. This product can be subject to local storage regulations.

8. Exposure controls/Personal Protection

Personal protection	
- Hygiene measures	Do not breathe dust. Avoid contact with eyes, skin and mucous membranes. Carefully wash hands and face during breaks and at end of work.
- Respiratory protection	Protective apparatus for chlorine and dust
- Hand protection	Gloves
- Eye protection	Chemical safety goggles
- Body protection	Protective clothing, boots

Product Name: Multifunctional Tablets

9. Physical and chemical properties

Form	Tablets
Colour	White
Odour	As of chlorine
Boiling point	n.a.
Melting point (decomposes)	225 – 230
Flash point	n.a.
Flammability (solid, gas)	n.a.
Ignition temperature	n.a.
Autoflammability	n.a.
Oxidising properties	Oxidiser
Explosive properties	n.a.
Explosion limits - lower	n.a.
- upper	n.a.
Vapour pressure (20°C)	n.a.
Density (20°C)	n.a.
Bulk density	n.a.
Solubility in water (25°C)	n.d.
pH (1% in H ₂ O) (25°C)	n.d.
Partition coefficient n-octanol/water (log POW, 20°C)	n.a.

10. Stability and reactivity

Conditions to avoid	Decomposition occurs if heated above 200°C. Decomposition is self-sustained with emission of toxic gases (chlorine and traces of phosgene) and heat.
Materials to avoid	This product is a strong oxidiser. Avoid contact with any organic or inorganic oxidisable material. Contact with organic matter may cause fire. By contacts with acids decomposition occurs with chlorine development. Especially, avoid contact with nitrogen containing compounds like ammonia, urea, amines or similar. Small quantities of water react with evolution of violently explosive nitrogen trichloride.
Other information	Thermally decomposing material can be controlled by flooding with a great amount of water.

11. Toxicological information

LD50 (oral, rat) :	800 mg/kg (symclosene)
Eye irritation (rabbit)	Severe
Skin irritation (rabbit)	Moderate

Product Name: Multifunctional Tablets

12. Ecological Information Utilise according to good manufacturing practice and avoid emptying into the environment. Evolving chlorine, this product is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations
Waste from residues Dispose according to local and national regulations.
Contaminated packaging Handle contaminated containers as the product itself. Dispose of the packaging by incineration or dumping only after cleaning by destroying the product residues. Do not reuse the packaging, even after complete cleaning, but for chlorocyanurates.

14. Transport Information
UN No 2468
Proper Shipping Name Trichloroisocyanuric acid, dry
Packaging Group II
Road Transport ADR/RID: Class 5.1 Item 26 b
Sea Transport IMO:Class 5.1 IMDG Code Page 5190
Marine Pollutant No EmS 5.1 – 05 MFAG 740
ICAO/IATA Class 5.1 – PAC 508 – CAC 511

15. Regulatory Information
EC Labelling
Symbols O Oxidising
Xn Harmful
R-Phrases R8 Contact with combustible material
R22 Harmful if swallowed
R31 Contact with acids liberates toxic gas
R36/37 Irritating to eyes and respiratory system
S-Phrases S2 Keep out of reach of children
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
S46 If swallowed, seek medical advice immediately and show this container or label.
Warning Do not use together with other products. May release dangerous gases (chlorine)
Symclosene (preparation)

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.