

MATERIAL SAFETY DATA SHEET

Product Name: Multifunctional Tablets													
1. Chemical product and company identification	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Product name</td> <td>Multifunctional tablets</td> </tr> <tr> <td>Chemical name</td> <td>Trichloroisocyanuric acid</td> </tr> <tr> <td>Product type and use</td> <td>Swimming pools</td> </tr> <tr> <td>Company identification</td> <td>Total Pool Chemicals Ltd</td> </tr> <tr> <td>Address and telephone number</td> <td>Unit 1, Pool Bank Park High Street, Tarvin, Chester CH3 8JH</td> </tr> <tr> <td>Emergency telephone number</td> <td>01829 740290</td> </tr> </table>	Product name	Multifunctional tablets	Chemical name	Trichloroisocyanuric acid	Product type and use	Swimming pools	Company identification	Total Pool Chemicals Ltd	Address and telephone number	Unit 1, Pool Bank Park High Street, Tarvin, Chester CH3 8JH	Emergency telephone number	01829 740290
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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

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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

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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.	