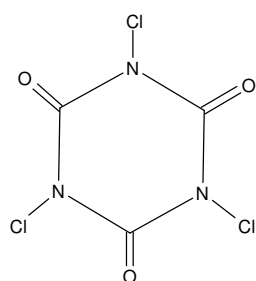


Oxidant[®] TCA/SG-M5

Sanitiser



Chemical and physical characteristics (*)

Chemical Name	Trichloroisocyanuric acid Trichloro-s-triazine trione
Chemical Formula	C ₃ Cl ₃ N ₃ O ₃
Molecular Weight	232
CAS Number	87-90-1
Appearance	white granules
Available Chlorine	90%
Water	0.2%
Bulk Density (g/cm ³)	1.00±0.05
pH (1% solution)	3.0±0.3%
Solubility (25°C g/l)	12
Melting Point with decomposition (°C)	225-230

(*) present values may be subjected to change and are not qualified for quality control purpose.

Applications

Oxidant TCA/SG-M5 is a granular form showing a double mechanism of action i.e. it acts as a swimming pools water sanitizer by releasing free chlorine and meanwhile it exerts a stabilizing action on the disinfectant agent itself.

Use

Dosage must be fixed according to the average daily consumption of chlorine in the swimming-pool. To sanitise swimming-pool water, it is advisable to keep the concentration of chlorine in the range of 1-3 ppm (this limit may change depending on the law of different countries).

Normal Conditions: 0.7 – 1,5 g/m³/day

Shock Treatment: 7-8 g/m³

Toxicological information

Oxidant TCA/SG-M5 is considered harmful by ingestion.

LD₅₀ (acute oral rats): 800 mg/Kg

Eye irritation (rabbit): severe

Skin irritation (rabbit): moderate

Transport, storage and handling

Labelling: oxidative agent according to international transport regulations. The product is harmful if swallowed and strongly irritating to eyes, to respiratory system and, after prolonged exposure, to skin. In case of ingestion seek immediately medical advice. Do not breathe dust and avoid contact with skin, eyes and mucous membranes. In case of contact, wash immediately with plenty of water and call a physician. If vapour or dust has been inhaled, treat it as a case of chlorine poisoning. Store in the original closed container in a dry, cool and well-ventilated place away from foodstuffs and other chemicals. Recommended storage temperature <25°C. No smoking close to the product. Avoid dust formation. Protect from moisture. The product is an oxidizer and can react with any organic and inorganic oxidizable material, supporting combustion. Avoid contact with nitrogen containing compounds like ammonia, urea and amines or similar. With small quantities of water it can generate explosive gases (NCl₃). Contact with acids develops toxic gases.

For further information please refer to safety data sheet.

The information contained in this data sheet is based on our present and best knowledge. However we make no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular use or purpose. Consequently the product must be tested by the user according to his needs and his production and application conditions and purposes. Neither do we assume any responsibility for infringement of third parties patent rights which may arise from the use of the product. For industrial use only.



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