

Trichloroisocyanuric Acid

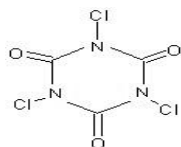
(一) PROPERTIES

1, Name: Trichloroisocyanuric Acid (Trichloro Isocyanuric Acid)

2, Abbr:TCCA

3, Molecular Formula: $C_3N_3O_3Cl_3$

4, Structural formula:



5, Molecular Weight: 232.41

6, CAS NO: 87-90-1

7, HS NO:29336990

8, UN NO:2468

9, Density:0.95

10, Melting Point:247C-251C

11, Decomposition Temperature: 225C

12, With hypochlorous odor at room temperature and Indecomposable below 280°C and volatile at high temperature.

(二) INTRODUCTION

1, Trichloroisocyanuric acid, also known as Symclosene, Trichloro-s-triazinetriene, TCCA, TCICA, and trichlor, is a chemical compound used as an industrial disinfectant, bleaching agent and a reagent in organic synthesis, with strong "chlorine odor".

2, Trichloroisocyanuric Acid is white crystal power, granular or tablets, with stimulant smell of hypochloric acid and strong bleaching and disinfection effects.

3, Trichloroisocyanuric Acid, a type of disinfectant with high-efficiency, low-toxicity, Safe and easy to use, and convenient for transportation.

4, Trichloroisocyanuric Acid is extensively adopted for civil sanitation, animal husbandry, plant protection, cotton, gunning, chemical fabrics, woolens, battery materials, organic synthesis industry, and laundry.

(三) TECHNICAL INDEX

1, Form: white powder, granule or tablets

2, Available chlorine : ≥ 90

3, Solubility: 1.2g/100g water

4, Water content: $\leq 0.5\%$

5, PH value of 1% solution:2.7-3.3

6, Granules: 8-30mesh 20-60mesh (or made in accord with client's requirements)

Tablet specification: 1g, 5g, 10g, 15g, 20g, 30g, 50g, 100g, 125g, 150g, 190g, 200g, 250g, 500g (or made in accord with client's requirements)

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ITEM	INDEX
Available chlorine %	≥ 90.0
Moisture %	0.5
PH value (1% water solution)	2.7~3.3

(四) USAGE

1. Trichloroisocyanuric Acid can be used in water treatment, especially in swimming pool water treatment, drink water treatment and algae removing of industrial circulating water.
- 2, Trichloroisocyanuric Acid can be used in treatment of industrial or city sewage, disinfection of petroleum well drilling slurry and sewage and production of seawater cells.
3. Trichloroisocyanuric Acid can be used in dishware disinfection, preventative disinfection of houses, hotels and public places, hygiene and diseal control in hospitals, environment disinfection in fish, silkworm, livestock and poultry feeding places.
4. Trichloroisocyanuric Acid can also be used in textile cleansing and bleaching, wool shrink resistance, paper insect resistance, and rubber chlorination, etc.
- 5, Trichloroisocyanuric Acid can also be used in seed disinfectant in agriculture, especially in fruits and vegetables, disinfecting the ranch preventing pestilence.

(五) PACKING

- 1, Plastic drum: 25kg/drum 50kg/drum
- 2, Plastic woven bag: 25kg/bag 500kg/bag
- 3, Fibre drum: 50kg/drum (or packed in accordance with client's requirements).

(六) STORE&TRANSPORTATION

stored in a cool and dry place, Take strict precautions against being affected with damp, and keeping away from sunlight. No contacting with nitride and reductive or oxidative matter. It can be carried by trains, trucks or ships

(七) ADDTION:

Benefits of Trichloroisocyanuric acid (TCCA) in Swimming Pool:

Available with 90% chlorine concentration

Due to high chlorine content, handling is easy for large pools.

Reduces chlorine loss during day time, Trichloroisocyanuric acid (TCCA) is stable, it does not strip like any other halogen compounds.

Reduces algae growth.

Dissolves slowly in water, Trichloroisocyanuric acid (TCCA) allowing for continuously metered dosing of available chlorine, especially when in tablet form.

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