



**LANTIAN DISINFECTION  
TECHNOLOGY CO.,LTD.**



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- **TCCA**
- **SDIC**
- **PMPS**
- **CYA**
- **SPC**
- **CMIT/MIT**
- **CA(CLO)<sub>2</sub>**

**Professional  
care for your water**

<http://www.lantiantcca.com>





COMPANY'S BUSINESS PRINCIPLE

## Company Introduction

Shandong Lantian Disinfection Technology Co, Ltd, as one of leading manufacturer of water treatment chemical in China, is specialized in producing TCCA, SDIC, PMPS,  $\text{ClO}_2$ , CYA, with advanced equipment and technology.

Our Main products: Trichloroisocyanuric Acid (TCCA) 30,000 metric tons; Sodium Dichloroisocyanurate (SDIC) 20,000 metric tons; Potassium peroxymonosulfate sulfate (PMPS) 20,000 metric tons; Chlorine Dioxide ( $\text{ClO}_2$ ) 20,000 metric tons; Cyanuric Acid (CYA) 20,000 metric tons; Our products are exported to markets worldwide such as Canada, South America, Europe, Africa, South East Asia, Australia etc.

Our products can effectively kill various germs, fungi and viruses. It is effective in deodorizing water, disinfection and bleaching. It can be widely used for swimming pool, drinking water, hospital and epidemic prevention, livestock farming industry, agriculture.

"Top quality, High efficiency and Best service "is the company's business principle. We always carry out technical upgrading and innovation, be willing to work with customers to establish long-term partnership for mutual development.



山东蓝天消毒科技有限公司  
SHANDONG LANTIAN DISINFECTION TECHNOLOGY CO.,LTD.



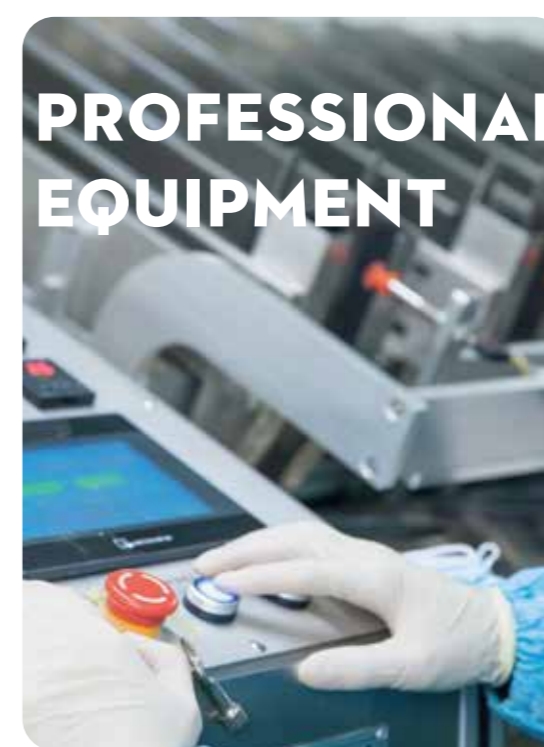
# Factory

# Modern Chemical Plant



## SMART FACTORY FOR MODERN MANAGEMENT

The rapid development of LANTIAN attributes to the quality control, especially test center. Top quality is our bussiness principle always.





# Trichloroisocyanuric Acid(TCCA)



## Introduction:

Trichloroisocyanuric acid is an organic compound. It is used as an industrial disinfectant, bleaching agent and a reagent in organic synthesis. This white crystalline powder, which has a strong chlorine odor, is sometimes sold in tablet or granule form for domestic and industrial use.



## Usage:

TCCA functions as disinfectant, algicide and bactericide mainly for swimming pools and spas, and bleaching agent in the textile industries. It is widely used in civil sanitation preventing and curing diseases in husbandry and fisheries, fruits and vegetables preservation, wastewater treatment, algicide for recycling water of industry and air conditioning, anti shrink treatment for woolen, treating seeds bleaching fabrics, and organic synthesis.

Item	Specification
CAS NO.	87 - 90 - 1
Molecular formula	$C_3Cl_3N_3O_3$
UN No.	2468
Moisture	$\leq 0.5\%$
Avail. Chlorine	$\geq 90\%$
PH (1% Solution)	2.7 - 3.3
Appearance	white powder, granule, tablet
Granular size	5-8 / 5-15 / 8-30 / 20-60 mesh
Tablets	0.2 / 0.5 / 1 / 2 / 3 / 5 / 7 / 10 / 20 / 200g
Package	Plastic woven bag: 25 / 50 / 1000 kgs Plastic drum: 1 / 5 / 10 / 15 / 20 / 25 / 50 kgs Carton drum/box: 12 / 20 / 25 / 50 / 1000 kgs

## TCCA

# Sodium Dichloroisocyanurate (SDIC)



## Introduction:

Sodium Dichloroisocyanurate (SDIC) is a chemical compound used as disinfectant, biocide, industrial deodorant and detergent. It is more efficient than formerly used water disinfectant. Mechanism of action is the release of chlorine in low concentrations by constant rate.

## Usage:

As an highly effective and broadspectrum disinfectant, it sterilizes drinking water, swimming pools, tableware and air. It prevents diseases in the raising of silkworm, fish and shrimp, poultry and livestock. It also can be used to prevent wool from shrinking, to bleach textiles and clean industrial circulating water.

Item	Specification
CAS NO.	2893 - 78 - 9, 51580 - 86 - 0
Molecular formula	$C_3Cl_2N_3NaO_3$
UN No.	2465,3077
Moisture	$\leq 4\%$ , 8% - 14%
Avail. Chlorine	56%, 60%
PH (1% Solution)	5.5 - 7
Appearance	white powder, granule, tablet
Granular size	5-8 / 8-30 / 20-60 mesh
Tablets	0.2 / 0.5 / 1 / 2 / 3 / 5 / 7 / 10 / 20 / 200g
Package	Plastic woven bag: 25 / 50 / 1000 kgs Plastic drum: 1 / 5 / 10 / 15 / 20 / 25 / 50 kgs Carton drum/box: 12 / 20 / 25 / 50 / 1000 kgs

## SDIC

# Potassium peroxymonosulfate(PMPS)



## Introduction:

Potassium peroxymonosulfate also known as MPS, potassium monopersulfate, the trade names Caroat and Oxone, and as non-chlorine shock (in the pool and spa industry) is widely used as an oxidizing agent. It is also widely used in metal processing, paper recycling, textiles, etc.

## Usage:

Potassium peroxymonosulfate can be used in swimming pools to keep the water clear, thus allowing chlorine in pools to work to sanitize the water rather than clarify the water, resulting in less chlorine needed to keep pools clean.

Its primary swimming pool use is to oxidize any contaminants in the water, leaving chlorine or bromine sanitizers already present in the water to focus on sanitizing the water.

Item	Specification
CAS NO.	70693 - 62 - 8
Molecular formula	$\text{KHSO}_5 \cdot 0.5\text{KHSO}_4 \cdot 0.5\text{K}_2\text{SO}_4$
UN No.	3260
Moisture	$\leq 0.10\%$
Active oxygen	$\geq 4.50\%$
Active component	$\geq 42.8\%$
PH (25 °C)	2.0 — 2.3 (1% Solution) 1.7-2.0 (3% Solution)
Appearance	White powder, granule, tablet
Package	Plastic woven bag: 25 / 1000 kgs Plastic drum: 1 / 5 / 10 / 15 / 20 / 25 / 50 kgs Carton drum/box: 12 / 20 / 25 / 50 / 1000 kgs

**PMPS**

# Cyanuric Acid (CYA)



## Usage:

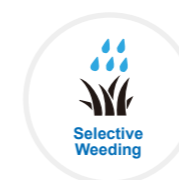
It can be used as disinfectant, bleach, cleanser, or selective herbicide in agriculture, and to make chlorinated isocyanuric acid, paints and coating. As for the water treatment, it is used as keeping the chlorine content stable.

## Storage & Transportation:

Storage in cool, dry places. No contacting with alkaline, reductive or oxidative matter, it can be carried by train, truck, or ships.

## Factory:

The rapid development of LANTIAN attributes to the quality control, especially test center. Top quality is our business principle always.



Item	Specification
CAS NO.	108 - 80 - 5
Molecular formula	$\text{C}_3\text{H}_3\text{N}_3\text{O}_3$
Moisture	$\leq 0.5\%$
Effective content	$\geq 98.5$
PH (1% Solution)	$\geq 4.0$
Appearance	white powder, granule
Package	Plastic woven bag: 25 / 50 / 1000 kgs Plastic drum: 1 / 5 / 10 / 15 / 20 / 25 / 50 kgs Carton drum/box: 12 / 20 / 25 / 50 / 1000 kgs

**CYA**



# Sodium Percarbonate, Sodium Carbonate Peroxide(SPC)

## Introduction:

Sodium Percarbonate(SPC), an inorganic compound, is a strong oxidant and is a white crystalline powder. Sodium Percarbonate is an addition compound of Hydrogen Peroxide and Sodium Carbonate. It is mainly used as a bleaching agent and oxidizing agent, as well as detergent, cleaning agent, and bactericide in chemical, paper, textile, dyeing and finishing, food, medicine, health, and other departments.



## Usage:

SPC is usually used as an adjuvant for washing powder, has the effect of oxidative bleaching, and can effectively increase dissolved oxygen in fish pond management. In terms of commercial use, it is usually coated with substances such as sulfate and silicate to obtain coated Sodium Percarbonate to improve the storage stability requirements in laundry detergent formulations.

## Storage & Transportation:

Store container tightly closed in a dry, cool, and well-ventilated place. Keep away from heat/sparks/open flames/ hot surfaces. Store away from incompatible materials and foodstuff containers. It can be carried by train, truck, or ship.

Item	Specification	
CAS NO.	15630-89-4	
UN NO.	3378	
EC NO.	239-707-6	
Molecular Formula	2Na <sub>2</sub> CO <sub>3</sub> ·3H <sub>2</sub> O <sub>2</sub>	
Molecular Weight	314.07	
	<b>Uncoated</b>	<b>Coated</b>
Active Oxygen	>13.5%	>13.0%
Bulk Density	700-1100g/L	900-1100g/L
Iron (Fe)	<0.002%	
Appearance	Free flowing white granules	
Moisture	<2.0%	
PH(20°C)	10.0-11.0 (3%water solution)	
Packing	In 25kg or 1000kg woven bag with inner film or upon customer's demand.	

### SPC

# Isothiazolinone (CMIT/MIT)



## Introduction:

Isothiazolinone is a bactericide. It works by breaking the bonds of bacterial and algal proteins. After contacting with microorganisms, Isothiazolinone can rapidly and irreversibly inhibit their growth, resulting in the death of microbial cells, so they have strong inhibitory and killing effects on common bacteria, fungi, and algae.



## Usage:

Because of its superior bactericidal, bacteriostatic, and environmentally friendly properties, Isothiazolinone has excellent bactericidal effects in a wide pH range and is effective in both acidic and alkaline water. Can be widely used in iron and steel smelting, oil field, power generation, light textile, oil refining, chemical industry, industrial cleaning and cooling circulating water for sterilization, mildew proof, anticorrosion, and algae killing.

## Storage & Transportation:

At room temperature, In dark place, In tightly closed container. It can be carried by train, truck, or ship.

Item	Specification
CAS NO.	26172-55-4
UN NO.	3265
Molecular Formula	C <sub>4</sub> H <sub>4</sub> ONSCl / C <sub>4</sub> H <sub>3</sub> ONS
Appearance	clear,yellow or yellow green solution
Chromaticity(KCrO)	≤5#
MIT	3.0-5.0%
CMIT	10 .0-12.0%
DCMIT	≤0 .1%
CMIT to MIT ratio	2 .5-3 .4%
Total Active Ingredient	14 .0-14 .5%
PH	2 .0-4 .0
Density ( 20°C )	1 .26-1 .32g/cm <sup>3</sup>
Package	25L,200L plastic drum, IBC packing

### CMIT/MIT

# Calcium Hypochlorite (Ca(ClO)<sub>2</sub>)



## Introduction:

Calcium Hypochlorite is an inorganic compound. This white crystalline powder has strong irritating chlorine and strong oxidizing properties. Mainly used in the bleaching of pulp in the paper industry and the bleaching of cotton, hemp and silk fabrics in the textile industry. It is also used for sterilization and disinfection of urban and rural drinking water, swimming pool water, etc.



## Usage:

Calcium Hypochlorite can be widely used as disinfectant, bleaching agent or oxidant resulting from the available chlorine in the product, for example, it has a wonderful disinfection for swimming-pool, drinking water, cooling tower & sewage and waste water, food, farming, Hospital, school, station and household etc., good bleaching and oxidation are also found in paper and dye industry.

Item	CAL-HYPO 65.0%	CAL-HYPO 70.0%
Available Chlorine %	65.0min	70.0min
Water %	5.5-10	5.5-10
Size(12-50 mesh)%	90min	90min
Size(on10 mesh)%	0.5min	0.5min
Size(below10 mesh)%	3.0min	3.0min

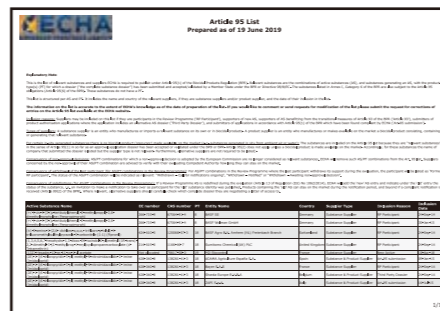


## Package

		
<b>Ton box</b>	<b>Paper box</b>	<b>woven bag</b>
		
<b>EU plastic drum</b>	<b>20L bucket</b>	<b>Plastic drum</b>
		
<b>25KG plastic drum with pallet</b>	<b>Ton box with pallet</b>	<b>Jumbo bag with pallet</b>
		
<b>Square drum</b>	<b>50KG plastic drum</b>	<b>Fiber drum</b>



# Certificate



**LANTIAN**  
 SUPER PURIFICATION PROFESSIONAL CARE  
 FOR YOUR WATER