

**YUN CANG**  
*make different*

**AQUAENJOY**



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Shijiazhuang Yuncang Water Technology Corporation Limited ( ISO9001 ) is one of the leading companies in China, which is specialized in producing and selling water treatment chemicals for over 25 years. With 15 years maintaining experience in swimming pool (NSPF USA Certificate) and waste water treatment field, we are also dedicated to providing full line technical backup solutions.

This company was established relying on our 2 production bases and contract suppliers. Located near Beijing, the main production base, named Hebei Xingfei Chemical Co., Ltd has become the largest SDIC manufacturer in China after years of development and middle-sized TCCA manufacturer as well. Now, the products are well sold to more than 70 countries and areas in the world. Moreover, the factory has finished BPR also gotten the NSF certificate, REACH registration in EU and passed BSCI factory audit.

The current annual production capacities are as below (based on the actual output):

- Sodium Dichloroisocyanurate (SDIC) 70,000MTS ;
- Trichloroisocyanuric Acid (TCCA) 40,000MTS ;
- Cyanuric Acid (ICA) 80,000MTS ;
- Sulfamic Acid 30,000MTS ;
- Nitrogen-grouping Flame Retardant (MCA) 6,000MTS ;
- Other pool line chemicals, including more patented products designed and produced by ourselves.

Besides swimming pool products, our partner factory manufactures waste water treatment chemicals, especially Polyacrylamide (Polyelectrolyte/PAM) /PolyDADMAC/ Polyamine/Calcium Hypochlorite/Water Soluble Monomer/Antifoam /PAC etc. The applications of these products include but not limited in, Municipal waste water treatment, Mineral dressing, Paper-making & Pulp additives, Textile Chemicals, Oil and Gas field etc.

Professional – NSPF professional team with quality products and service.

Different-- make difference from other suppliers, including:

- Manufacturer;
- Real water field dosage/maintain/construction for over 15 years experience;
- Our Own R&D, much more new patents products (details by email);
- Water trouble-shoot solution with sufficient technology back-up.

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# Disinfectant Chemicals

## Sodium Dichloroisocyanurate (SDIC)

Fast-dissolving stabilized chlorine, a good choice for treatment of swimming pool water and drinking water; it can also act as disinfectant in raising silkworm, poultry, fishery (prawn, shrimp&fish etc.) and livestock; wool shrink resisting and textile bleaching, and clean the industrial circulating water.



### Technical Specification

Items	SDIC dihydrate granules	SDIC granules	SDIC tablets
Appearance	White granules	White granules	White tablets
Available Chlorine (%)	55MIN	60 MIN	25 - 55
Granularity (mesh)	8 - 30	8 - 30	
	20 - 60	20 - 60	

• We can also produce special index SDIC as per clients need

### Package

- 1, 2, 5, 10, 25, 50kg plastic drum
- 25, 50kg fibre drum
- 1000kg big bag

## Trichloroisocyanuric Acid (TCCA)

Slow-dissolving stabilized chlorine, for treatment of swimming pool water and drinking water; it can also act as disinfectant in raising silkworm, poultry, fishery (prawn, shrimp&fish etc.) and livestock; wool shrink resisting and textile bleaching, and clean the industrial circulating water.



### Technical Specification

Items	TCCA tablet	TCCA powder /granules	TCCA multifunction tablet
Appearance	White tablets	White powder /granules	White tablets with blue spot
Weight and Size	200g (3"x1")		200g (3"x1")
	20g (1"x1")		20g (1"x1")
Available Chlorine (%)	90 MIN	90 MIN	87 MIN

### Package

- 1, 2, 5, 10, 25, 50kg plastic drum
- 25, 50kg fibre drum
- 1000kg big bag

## Calcium Hypochlorite

Fast-dissolving granule, for the treatment of swimming pool water and industrial water.



### Technical Specification

Items	Index
Process	Sodium process
Appearance	White to light-grey granules or tablets
Available chlorine (%)	65MIN, 70MIN, 74MIN
Moisture (%)	5 - 10

### Package

- 5, 10, 40, 45kg plastic drum
- As per client's need.

## 1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN (BCDMH)



### Technical Specification

Items	Index	
	White to off-white 20 g tablets	off white granules
Appearance	White to off-white 20 g tablets	off white granules
Content (%)	96 MIN	96 MIN
Available Chlorine (%)	28 MIN	26 MIN
Available Bromine (%)	60 MIN	60 MIN
Solubility (g/100mL water, 25°C )		2

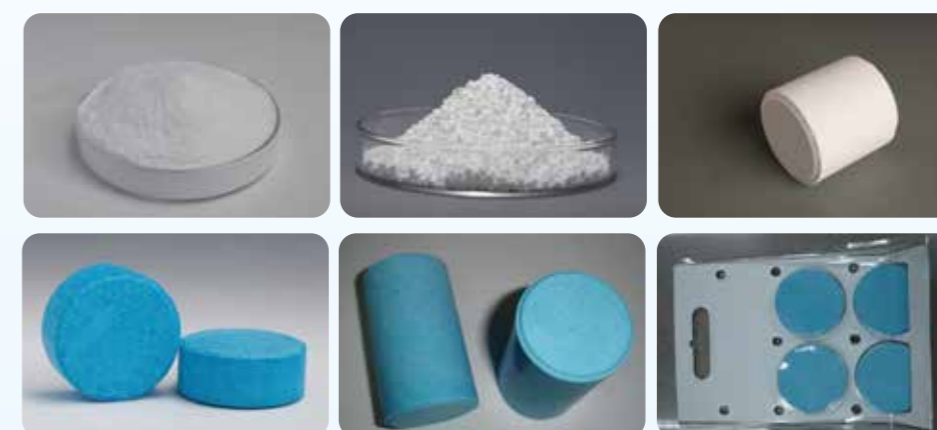
### Package

- 5, 10, 25, 50kg plastic drum
- As per client's need.

## Other Pool and Spa Products

### Cyanuric Acid

Applied as chlorine conditioner in outdoor pools to protect chlorine from sunshine and also used in flame retardant and painting etc.



### Technical Specification

Items	Cyanuric Acid granules	Cyanuric Acid powder
Appearance	White crystalline granules	White crystalline powder
Purity (% on dry basis)	98.5 MIN	98.5 MIN
Granularity	8 - 30 mesh	80mesh, 95% pass through

### Package

- 5, 10, 25, 50kg plastic drum
- 25, 1000kg plastic bag
- As per client's need.

## Algicide

### ► Super Algicide

Super Algicide effectively inhibits algae and bacteria in circulating cooling water, swimming pools, ponds, impounding water reservoir to inhibit algae from growing.

- Fit different water environment, such as acidic water, alkaline water, hard water.
- No-toxic and no-irritant.
- Never causes foam.
- Never causes green hair.



#### Technical Specification

Items	Index
Appearance	Light yellow clear viscous liquid
Solid content (%)	59 - 63
Viscosity (mm <sup>2</sup> /s)	200 - 600
Water Solubility	Completely miscible

The 30% solution is also available.

#### Package

- 1, 5, 220kg plastic drum
- As per client's need.

### ► Strong Algicide

Strong Algicide effectively inhibits algae and bacteria in circulating cooling water, swimming pools, ponds, impounding water reservoir to inhibit algae from growing.

- Fit different water environment, such as acidic water, alkaline water, hard water.
- No-toxic and no-irritant.
- Never causes foam.
- Never causes green hair.



#### Technical Specification

Items	Index
Appearance	Colorless to pale yellow clear viscous liquid
Solid content (%)	49 - 51
	59 - 63
Viscosity (cPs)	90 - 130 (50% water solution)
Water Solubility	Completely miscible

#### Package

- 1, 5, 220kg plastic drum
- As per client's need.

### ► Quater Algicide

Quater Algicide effectively inhibits algae and bacteria in circulating cooling water, swimming pools, ponds, impounding water reservoir to inhibit algae from growing. This product is fit different water environment, such as acidic water, alkaline water, hard water.

- Fit different water environment, such as acidic water, alkaline water.
- Never causes green hair.

#### Technical Specification

Item	Index
Appearance	Colorless to light yellow liquid
Odor	Weak penetrating odor
Solid Content (%)	50
Water Solubility	Completely miscible

#### Package

- 1, 5, 220kg plastic drum
- As per client's need.

### ► Blue Algicide (Long-Lasting)

Long-Lasting Algicide effectively inhibits algae and bacteria in circulating cooling water,

- Especially suited for treatment of annoying mustard algae (yellow algae).
- Never causes foam.

#### Technical Specification

Items	Index
Appearance	Deep blue liquid
Active Ingredient	5.0 - 10.0
Water Solubility	Completely miscible

#### Package

- 1, 5, 220kg plastic drum
- As per client's need.

## Spacare

Spacare is a completely new type disinfectant for swimming pools and spas:

- Free of chlorine odor or the problem of chlorine lock.
- Lasting for one week.
- Compare to biguanide, it is characterized by low foam and never causes filter block.
- Initial dosage: 1,000 g per 10,000 L of water (134 ounce per 10,000 US gallon).
- Dosage: 300 to 500 g per 10,000 L of water for 14days (40 to 67 ounce per 10,000 US gallon).



### Technical Specification

Items	Index
Appearance	Colorless to light yellow liquid
Content (%)	25 MIN
pH (1% water solution)	6.0 - 8.0
Water Solubility	Totally soluble

### Package

- 1, 25, 50kg plastic drums

## pH Plus&Minus

Applied to balance the pH value of swimming pool water.

### Technical Specification

Items	pH Plus	pH Minus
Appearance	White to light yellow granules	White to light yellow granules
Content (%)	99 MIN	98 MIN
Fe (ppm)	0.004 MAX	0.07 MAX

### Package

As per client's need.



## Pool Foam

Pool Foam is a new environmental protection products, the composition of the particles of small diameter, particles for the six-sided body, with super cleaning capacity. Pool Foam can simply rub out any marks or stains on the areas to be cleaned. Without the use of any chemical products and environmentally friendly, no residual of formaldehyde.



### Specification

Items	Index
Density:	11/12/15/16kg/m3
Size:	120mmx66mmx25mm or as per customers' request

### Pool Foam is widely used in the following fields :

Pool Foam enables you to eliminate stubborn marks and stains with a simple scrub without residual and smell. It is particularly useful on the pool or spa area; skimmers, shutters, covers, stairs, patio furniture, etc.  
 Household items: tea service/sofa/travel shoes/wall/floor tile/switch panel/toys  
 Metal instruments: faucet/lavabo/Double Vegetable Basin/metal pendant/handle  
 Bathroom: mirror, mesa, bath crock, ceramic tile, toilet  
 Office: computer/phone/fax/copier/tables and chairs/cabinet  
 Auto supplies: seat covers/wheels of automobiles/car front desk/car handle  
 Electrical appliances: air conditioning/refrigerator/washing machine/fan/microwave ovens electrical appliances.

## Test Strip

### Specification

- Swimming Pool Test Strips
- test strips 3in1
- test strips 4in1
- test strips 5in1
- test strips 6in1
- test strips 7in1
- Salt test strips
- Aquarium test strips
- Drinking water test strips
- pH test strips
- Oil quality test strips



### Advantage

1. Our factory used to do pharmaceutical reagents, pool test strips accuracy is higher.
2. Independent laboratory ensures continuous product development.
3. Cooperation with well-known universities in China to enhance R&D strength.
4. Cooperate with international brands to understand the needs in the industry.
5. Competitive price as a supplier.
6. Clients use experience is much better than other brands, such as :  
No disturb of each color block in the same paper strip after contacted with water.
7. The standard index colors difference on the bottle is more accurate than other brands.
8. Same quality compare with other world brand paper strips.
9. Suitable in all water environment, such as pH / Chlorine / Hardness / TDS / Alkali etc.

## Pool Gel

Pool Gel is a new type clarifier for pool water, high efficiency and easy to use. Non-toxic and fully bio-degradable. Compatible with other pool chemicals. Keep your pool sparkling for 30 days. Suitable for pools and spas equipped with any type of filtration system. No need robot cleaners for additional work.



### DIRECTIONS FOR USE

Place the gel in a little gauze bag and then suspend the bag in water flow, or place it in a skimmer basket in pool water.

### USAGE FREQUENCY

Weekly  
Monthly

### DOSAGE

10-40g per 10,000L of water

### GENERAL PRECAUTIONS

Ensure that the filter and the pool circulation system work well. Always handle products in well ventilated area. Always wash hands thoroughly after handling pool chemicals. If you prefer other appearance/packing pool gel, we can also custom-made.

## Surface Oil Absorber Ball

Surface Oil Absorber Removes Scum Oils from Pool, Spa, Hot Tub, Floating Pool Filter Sponge Ball, Reusable and Washable.



# Industrial Water Treatment Chemicals

## Flocculant-Polyacrylamide Powder

Polyacrylamide (PAM) is a kind of acrylic polymer and polyelectrolyte, applied as flocculant, coagulant, dispersant in many fields.

### The main application sectors are:

- a. Municipal water treatment
- b. Industrial wastewater treatment
- c. Other industrial process  
Application fields are paper retention agent, paper strength agent, paper dispersant agent, anionic garbage capture agent, etc.
- d. Mining processing  
Our flocculants products range offers the high molecular weight and high charge to satisfy the clients' need.
- e. Oilfield and gas chemicals  
Profile control and water shutoff, Drilling mud, EOR.



### Specification

Model	Appearance	Solid Content (%)	pH Value	Molecular Weight(million)	Charge Density	Dissolving Time(min)
Cationic PAM	White powder	88min	3-8	6-15	Low Medium High	60-120
Anionic PAM	White powder	88min	5-8	5-26		
Nonionic PAM	White powder	88min	5-8	3-12		



## Flocculant-Polyacrylamide Emulsion

Polyacrylamide emulsion is high efficiency and instant liquid flocculant with different molecular weight and different charge density. The main application field:

- a. Paper retention agent
- b. EOR
- c. Municipal water treatment
- d. Industrial wastewater treatment
- e. Mining processing



### Specification

Model	Appearance	Solid Content(%)	pH Value	Brookfield Viscosity (cps)	Dissolving Time(min)
Cationic PAM	Emulsion	35-50	4-8	3-6	5-10
Anionic PAM	Emulsion	30-50	5-8	3-9	
Nonionic PAM	Emulsion	35-50	5-8	3-6	

### Pacakge :

PAM powder: 25kg kraft bag, 25kg PE bag, 800kg big bag  
PAM emulsion: 1000kg IBC drum, 200kg plastic drum



### Application:



## PolyDADMAC

Used as coagulants in drinking water treatment (NSF Certificate) and wastewater treatment, mining and mineral processing; used as colour fixing agent in textile, formaldehyde free; used as anionic garbage catching agent and AKD aging accelerant in paper making; etc.

It is an important polymer (polyelectrolyte), which can be effectively concrete high-level-grimed water.

It can be added directly into the wastewater; it also can be used together with Poly aluminium chloride.

### Pacakge :

Liquid: 25kg, 50kg, 125kg, 200kg plastic drum or 1000kg IBC drum.

Powder: 20kg bag.



### Specification

Items	PD20-2	PD20-7	PD20-10	PD20-30	PD40-30	PD40-120	PD40-100	PD Powder
Appearance	Colorless to light yellow viscous liquid							White powder
Solid Content, %	20 ± 1	20 ± 1	20 ± 1	20 ± 1	40 ± 1	40 ± 1	40 ± 1	90 min
pH, 1%	3 - 7	3 - 7	3 - 7	3 - 7	3 - 7	3 - 7	3 - 7	3 - 7
Viscosity, cps, 25°C	80 - 200	200 - 700	700 - 1,000	1,000 - 3,000	1,000 - 3,000	8,000 - 12,000	100,000min	~

## Water Drop Polyamine

Polyamine works greatly in drinking water treatment with Poly aluminium chloride. It is also applied in the following fields: textiles, cosmetics, mining (coal, gold, diamonds, etc.), paper-making, Oil and Gas.

**Package:** 25kg, 50kg, 125kg, 200kg plastic drum or 1000kg IBC drum.



### Specification

Items	PA50-2	PA50-5	PA50-10	PA50-30	PA50-60	PA40-30
Appearance	Colorless to light yellow viscous liquid					
Solid Content, %	49 - 51	49 - 51	49 - 51	49 - 51	49 - 51	39 - 41
pH, 1%	4 - 8	4 - 8	4 - 8	4 - 8	4 - 8	4 - 8
Viscosity (cps, 25°C)	50-200	200-500	600-1,000	1,000-3,000	3,000-6,000	1,000-3,000

## Water Drop Polyaluminium Chloride-PAC

PAC is high efficient inorganic coagulant produced by spray drying technology. It is widely used in paper industry, textile industry, leather industry, metallurgical industry, ceramic industry, mining industry, domestic sewage water and drinking water.

### Specification

Type	Appearance	Content (Al <sub>2</sub> O <sub>3</sub> %)	Basicity (%)	Water insoluble matter (%)	pH
PAC-I	Yellow Powder	28-30	40-90	1.0MAX	3.0-5.0
PAC-D	Yellow Powder	28-30	40-90	0.6MAX	3.0-5.0
PAC-H	White Powder	28-30	40-90	0.6MAX	3.0-5.0
PAC-M	Milk Powder	28-30	40-90	0.6MAX	3.0-5.0



## Other Coagulants

### Aluminium Chlorohydrate-ACH

Type	Content (Al <sub>2</sub> O <sub>3</sub> %)	Chlorides(Cl) %
Liquid	23-24	7.9-8.4
Solid	32.0MAX	16-22



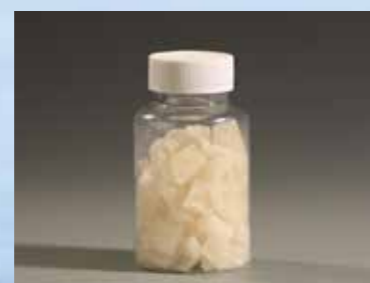
### Ferric chloride

Specification	First grade	Standard
FeCl <sub>3</sub>	96.0Min	93.0Min
FeCl <sub>2</sub>	2.0Max	4.0Max
Water insoluble	1.5Max	3.0Max



### Aluminium sulphate

Specification	White powder, Granular and Flakes
Al <sub>2</sub> O <sub>3</sub> %	15.8-17
Fe%	0.005-0.5



## Antifoam

Antifoam (also known as defoamer) is applied in very wide fields:

- Pulp and paper industry
- Water treatment
- Food and Fermentation
- Detergent industry
- Paint and Coating industry
- Oilfield industry
- Other industries



Industries	Processes	Main Products	
Food	Bread yeast	CS-50C	
	Sugar cane	P-216T	
	Sugar beet	CS-50C	
	Beer bottle cleaning	G-31A/G-31B/CS-910A	
Pulp&paper making	Black liquor	waste paper pulp wood/straw/reed pulp	
	paper machine	all types of paper (including paperboard)	CS-61A-3/K-61N/CS-61A
		all types of paper (not including paperboard)	CS-64N/CS-64D/A64R
	sizing process	CS-64A/CS-61A-3	
	paper coating	J8B/0019BE	
	water treatment	0061C/Z-21A	
Agro chemicals	canning	X-C64/CS-910A	
	fertilizer	CS41A/CS41W	
water treatment	boiler water cooling	CS-64A/CS-50C	
	sea water desalination	CS-312	
Detergent	laundry powder(slurry)	A671	
	laundry powder(finished products)	30XFG7	
	laundry liquid	A9186/X-962/X-965	
	dishwasher tablets	G31XL	
	fabric softener	A9186/X-962/X-965	

## Decoloring Agent(QE-10)

QE-10 is a quaternary cationic polymer compound which is the only product for de-coloring, flocculating, COD decreasing and other applications.

It is mainly used to de-color high-colority waste water from dyestuffs plants. It is suitable to treat waste water with activated, acidic and disperse dyestuffs.

It can also be used to treat waste water from textile and dyeing industry, pigment industry, printing ink industry and paper industry.

It can be used as fixing agent and retention agent for paper production process.

Item	Specification
Appearance	light-color
Solid content, %	>50
pH value, 1% solution	4-6

1. The product shall be diluted with 10-40 times water and then dosed into the waste water directly. After being mixed for several minutes, it can be precipitated or air-floated to become clear water.
2. The pH value of the waste water should be adjusted to 7-9 before being treated.
3. When the colority and COD Cr is relatively high, it can be used with the help of poly aluminium chloride, but not mixed together.



## Water Soluble Monomer

Water soluble monomer can be used in many different industries, such as water treatment, textile, paper-making, mining, oilfield, coating, mineral recovery etc.

We have several water soluble monomers, such as:

Diallyldimethyl ammonium chloride/DADMAC  
 Acryloyloxyethyltrimethyl ammonium chloride/DAC  
 Methacryloyloxyethyltrimethyl ammonium chloride/DMC  
 Methacrylamidopropyltrimethyl ammonium chloride/MAPTAC  
 N,N-Dimethylaminoethyl acrylate/DMAEMA  
 N,N-Dimethylaminopropyl methacrylamide/DMAPMA  
 Acrylamide/AM  
 Dicyandiamide/DCD

Some of the monomers have REACH.

### Specification

Item	Content	Application fields
DADMAC	60.0%, 65.0%	Water treatment/Textile /Paper making /Mining/Oilfield
DAC	78.0%	Water treatment/Paper making/Mineral recovery
DMC	78.0%	Water treatment/Paper making/Mineral flotation/Polyester fibers
MAPTAC	50.0%	Water treatment/Paper making/Personal care/Oilfield
DMAEMA	99.5%min	Water treatment/Paper making/Coating/Textile/Oil additives
DMAPMA	98.5%min	Water treatment/ Paper making/Coating/Textile/Oil additives
AM	98.5%min	Oil exploration/medicine/metallurgy/paper making/paint/textile/ water treatment/soil improvement, etc.
DCD	99.5%min	Guanidine salt/Water treatment/Textile and Dyeing/ Pharmaceutical, etc.

# Other Products

## 💧 Sulfamic Acid

Sulfamic Acid is used as an acidic cleaning agent, a precursor to sweet-tasting compounds or pigment, such as Aspartame, Cyclamate, AK sweeter.



### Specification

Items	Index
Appearance	White crystalline powder
Content (%)	99.5 MIN
Sulfate (%)	0.05 MAX
Moisture (%)	0.2 MAX
Fe (%)	0.005 MAX
Water insoluble matter (%)	0.01 MAX

**Package:** 25kg plastic bag, 500kg big bag, 1000kg big bag

## 💧 Melamine Cyanurate (MCA)

Melamine Cyanurate is a halogen-free flame retardant for nylon, thermoplastic polyurethane and synthetic resins (e.g.PA, PVC, PS).



### Specification

Items	Index
Appearance	White crystal powder
Content (%)	99.5 MIN
Moisture (%)	0.2 MAX
pH (10 g/L)	6.0 - 7.0
Whiteness (F457)	95 MIN
Melamine (%)	0.001 MAX
Cyanuric Acid (%)	0.2 MAX
D50	3 μm MAX 3.5 - 4 μm Size can be adjust as per clients' need.

**Package:**  
600 kg big bag  
20kg plastic bag

# Our Factory



# Our Packing



# Our Certificate





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