

Algae Fungicidal Series

| Product Model | Name | Application |
|---------------|-------------------------|---|
| POLYTE CW8801 | Oxidizing Fungicide | Effective chlorine, low price, easy to use, suitable for sterilization and algae treatment of open circulating water system. |
| POLYTE CW8802 | Oxidizing Fungicide | Effective chlorine, slow release formula, sustained effect, suitable for sterilization and algae treatment of open circulating water system. |
| POLYTE CW8803 | Non-oxidizing Fungicide | Isothiazolone, broad-spectrum and high efficiency, low dosage, good effect, suitable for sterilization and algae treatment of open and closed circulating water systems. |
| POLYTE CW8804 | Slime stripper | Quaternary ammonium salts, suitable for sterilization and algae treatment of open circulating water systems with special slime stripping. |
| POLYTE CW8805 | Oxidizing Fungicide | Effective chlorine, slow release formula, sustained effect, suitable for sterilization and algae treatment of open circulating water system. |
| POLYTE CW8806 | Oxidizing Fungicide | Organic bromines have better effects than conventional oxidizing bactericides, greatly reduced of dosage. It is suitable for sterilization and algae treatment of open circulating water systems. |

Corrosion and Scale Inhibitor Series

| Product Model | Name | Application |
|---------------|--|--|
| POLYTE CW8901 | Universal corrosion and scale inhibitor | Wide application conditions, suit for many fields, suitable for corrosion and scale inhibition treatment of open circulating cooling water systems in most of the industry, the company's recommended products. |
| POLYTE CW8902 | Corrosion and scale inhibitor for chemical industry | Standard product for chemical industry, in line with HG/T 2431-2009 standard, excellent performance, can also be applied to other industries, fields, mainly for chemical companies with clear requirements for pharmaceutical indicators. |
| POLYTE CW8903 | Corrosion and scale inhibitor for petrochemical industry | Standard product for petrochemical industry in line with SH 2604.07-2003 standard, with high effective content and excellent performance. They can also be applied to other industries and fields, mainly for petrochemical enterprises with clear requirements for pharmaceutical indicators. |
| POLYTE CW8904 | Corrosion and scale inhibitor for power industry | Corrosion and scale inhibitors in the power industry, industry standard product, excellent performance, in line with DL/T 806-2013 standard, can also be applied to other industries, fields, mainly for power companies with clear requirements for pharmaceutical indicators. |

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|---------------|--|---|
| POLYTE CW8905 | Corrosion and scale inhibitor for central air-conditioning | Low-phosphorus environmentally friendly formula, excellent performance, special products for central air conditioning and chiller circulating water systems. |
| POLYTE CW8906 | Phosphorus-free corrosion and scale inhibitor for | Respond to national environmental protection requirements, in-line national discharge water standards, true phosphorus-free formula, excellent performance, wide application range and broad prospects. |

Cleaning Agents and Pre-filming Agents

| Product Model | Name | Application |
|---------------|-------------------|--|
| POLYTE CW8501 | Pre-filming agent | Pre-filming effect is good, low cost, suitable for pre-film treatment after equipment or system pickling. |
| POLYTE CW8502 | Acidic cleaner | Excellent cleaning and corrosion inhibition, suitable for off-line cleaning of single equipment such as heat exchangers and refrigerators. |
| POLYTE CW8503 | Acidic cleaner | Excellent cleaning and corrosion inhibition, suitable for off-line cleaning of single equipment such as heat exchangers and refrigerators. |
| POLYTE CW8504 | Alkaline Cleaner | Excellent degreasing and organic function, suitable for cleaning oils and various organic substances |
| POLYTE CW8505 | Chemical Cleaner | Provides excellent surface active conditions for easy cleaning and a certain degree of corrosion inhibition. |

Auxiliary Series

| Product Model | Name | Application |
|---------------|----------------------------------|---|
| POLYTE CW8601 | Defoamer | Low dosage, good defoaming effect and suitable for foam suppression and defoaming in the process of chemical cleaning. |
| POLYTE CW8602 | Copper corrosion inhibitor | Corrosion inhibitor for copper and copper alloys, suitable for corrosion inhibition of copper and copper alloy equipment. |
| POLYTE CW8603 | Carbon steel corrosion inhibitor | Suitable for open and close type systems, special corrosion inhibitor for carbon steel, especially suitable for closed systems. |
| POLYTE CW8604 | Scale inhibitor | Excellent dispersion and scale inhibition performance, suitable for dispersion and scale inhibition of open or closed type circulating water systems. |
| POLYTE CW8605 | Corrosion inhibitor | Suitable for pre-filming and corrosion inhibition treatment of closed type system with deionized water as water source. |

POLYTE[®] CW8901 Universal Corrosion and Scale Inhibitor

1. Performance

This product is a multifunctional composite water quality stabilizer composed of organic phosphorus, corrosion inhibitor, and multi-component copolymerization dispersant and auxiliary. It has good scale inhibition and dispersion even for water with high hardness and high alkalinity. It has good anti-corrosion effect on carbon steel, stainless steel, copper and aluminum. It has good compatibility with common fungicides and has synergistic effect. This product is low in toxicity, easy to use and safe.

2. Technical Indicators

| | |
|---|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Solid content | ≥21% |
| Density (20) | ≥1.10g/cm ³ |
| Azole% | ≥0.8 |
| pH | ≤3.0 |
| Total phosphonate (calculated as PO ₄ ³⁻)% | ≥6.0 |

3. Application

As a corrosion and scale inhibitor for circulating cooling water, this product has good corrosion inhibition and scale inhibition performance even for water systems with high hardness, high alkalinity and high pH value. It can be used in the open circulating cooling water system of electric power, metallurgy, oil refining, chemical and other departments. It is suitable for carbon steel, copper, stainless steel, aluminum and other materials. It can be continuously dosing. The concentration depends on different water quality conditions, generally around 50-80mg / L , suitable for pH of 7.0--9.2.

4. Package and Storage

Packed in 25 kg plastic drum with expire date: one year.

POLYTE® CW8902 special Corrosion and Scale Inhibitor for Chemical Industry

1. Performance

This product is a multifunctional composite water quality stabilizer composed of organic phosphorus, corrosion inhibitor and multi-component copolymerization dispersant and auxiliary. It has good scale inhibition and dispersion for water with high hardness and high alkalinity. It has good anti-corrosion effect on carbon steel, stainless steel, copper and aluminum. It has good compatibility with common fungicides and has synergistic effect. This product is low in toxicity, easy to use and safe.

Formulated and produced in accordance with HGT 2430-2009 Class II pharmaceutical standards.

2. Technical Indicators

| | |
|--|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Density (20) | 1.10~1.18g/cm ³ |
| pH Value (10g/L aqueous solution) | ≤ 4.5 |
| Total phosphonate (calculated as PO ₄ ³⁻)% | ≤ 6.0 |
| Phosphite (calculated as PO ₄ ³⁻)% | ≤ 1.0 |
| Solid content% | ≥ 21.0 |

3. Application

As a corrosion and scale inhibitor for circulating cooling water, this product has good corrosion inhibition and scale inhibition performance even for water systems with high hardness, high alkalinity and high pH value. It can be used in the open circulating cooling water system of electric power, metallurgy, oil refining, chemical and other departments. It is suitable for carbon steel, copper, stainless steel, aluminum and other materials. It can be continuously dosing. The concentration depends on different water quality conditions, generally around 50-80mg / L , suitable for pH of 7.0--9.2 .

4. Package and Storage

Packed in 25 kg plastic drum with expire date: one year.

POLYTE[®] CW8903 corrosion and Scale Inhibitor for Petrochemical Industry

1. Performance

This product is a multifunctional composite water quality stabilizer composed of organic phosphorus, corrosion inhibitor, multi-component copolymerization dispersant and auxiliary. It has good scale inhibition and dispersion for water with high hardness and high alkalinity. It has good anti-corrosion effect on carbon steel, stainless steel, copper and aluminum. It has good compatibility with common fungicides and has synergistic effect. This product is low in toxicity, easy to use and safe.

Formulated and produced in accordance with SH 2604.07-2003.

2. Technical Indicator

| | |
|--|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Density (20) | $\geq 1.12\text{g/cm}^3$ |
| pH Value (1% aqueous solution) | ≤ 4.5 |
| Azole% | ≥ 0.8 |
| Total phosphonate (calculated as PO_4^{3-})% | ≥ 6 |
| Phosphite (calculated as PO_4^{3-})% | ≤ 0.4 |
| Solid content% | ≥ 25 |

3. Application

As a corrosion and scale inhibitor for circulating cooling water, this product has good corrosion inhibition and scale inhibition performance even for water systems with high hardness, high alkalinity and high pH value. It can be used in the open circulating cooling water system of electric power, metallurgy, oil refining, chemical and other departments. It is suitable for carbon steel, copper, stainless steel, aluminum and other materials. It can be continuously dosing. The concentration depends on different water quality conditions, generally around 50-80mg / L, suitable for pH of 7.0--9.2.

4. Package and Storage

Packed in 25 kg plastic drum with expire date: one year.

POLYTE[®] CW8904 special Corrosion and Scale Inhibitor for Power Industry

1. Performance

This product is a multifunctional composite water quality stabilizer composed of organic phosphorus, corrosion inhibitor, multi-component copolymerization dispersant and auxiliary. It has good scale inhibition and dispersion for water with high hardness and high alkalinity. It has good anti-corrosion effect on carbon steel, stainless steel, copper and aluminum. It has good compatibility with common fungicides and has synergistic effect. This product is low in toxicity, easy to use and safe.

Formulated and produced in accordance with standard DLT 806-2013 Class A phosphorus-free formula.

2. Technical Indicator

| | |
|--|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Density (20) | ≥1.15g/cm ³ |
| pH Value (1% aqueous solution) | 3.0±1.5 |
| Solid content% | ≥ 32.0 |
| Total phosphonate (calculated as PO ₄ ³⁻)% | ≤2.0 |
| Orthophosphate(calculated as PO ₄ ³⁻)% | ≤0.5 |
| Phosphite (calculated as PO ₄ ³⁻)% | ≤1.0 |

3. Application

As a high-hardness, high-alkali, high- pH circulating cooling water system, scale and corrosion inhibitor. Open circulating cooling water system for electric power, metallurgy, oil refining, chemical and other departments, suitable for carbon steel, copper, stainless steel, aluminum and other materials, continuous dosing, dosing and concentration depending on different water quality conditions, generally in 50- 80mg / L or so, suitable pH of 7.0--9.2 , are particularly suitable for the power industry circulating cooling water system. Packed in 25 kg plastic drums for one year.

4. Package and Storage

Packed in 25 kg plastic drum with expire date: one year.

POLYTE[®] CW8801 Bactericidal Algacide

1. Performance

This product is an oxidizing fungicide with low toxicity, fast and lasting effect, strong penetrability, convenient use and low price. Applicable temperature and pH range is wide, and it has the functions of disinfection, odor removal, and biological slime.

2. Technical Indicator

| | |
|---|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Active chlorine (as Cl ⁻) content | ≥10.0% |
| Free alkali (calculated as NaOH) | ≤1.0% |
| pH | ≥9.0 |

3. Use Method

It is suitable for industrial circulating water system of power plant, chemical industry, chemical fertilizer, oil refining, metallurgy, etc. for sterilization and algae removal and slime stripping. It can also be used for disinfection treatment of hospitals, bathrooms, swimming pools, etc., using impact dosing, the dosage is generally 80-100mg/L, which has a complete killing effect on algae. To achieve rapid release effect may be appropriate to increase the dosage to 200 - 500 ppm, and timely removal of floating debris.

4. Package and Storage

25kg plastic drum with expire date: one year under normal storage condition

POLYTE[®] CW8803 Bactericidal Algaecide

1. Performance

This product is an efficient broad-spectrum biocide used as a bactericidal algaecide in circulating cooling water. It has a good effect on the circulating water system of petrochemical, metallurgy, electric power, oil field, fertilizer and other industries. This product is also widely used in food processing, medical and health.

2. Technical Indicator

| | |
|--|--|
| Appearance | Light green or light yellow transparent liquid |
| pH (stock solution) | 2.0 ~ 5.0 |
| Density (20) g/cm ³ | 1.02 ~ 1.05 |
| Active content % | 1.5 ~ 1.8 |
| Chlorine-containing actives / chlorine-free actives (mass ratio) | 2.6 ~ 3.4 |

3. Application

This product is a broad-spectrum biocide. It can be used as a fungicide in the treatment of circulating cooling water and papermaking wastewater. It has good sterilization and inhibits the growth of slime. The bacteria will not rise by use 60mg/L of this product and the effect can lasting for one week.

4. Dosing Method

Dosing every two weeks, 60mg/L every time, and is usually directly dosing to the cistern of circulating cooling water.

5. Package and Storage

25kg plastic drums with expire date: one year.

POLYTE® CW8804 Slime Stripper

1. Performance

This product has a clean and bactericidal effect because it can be dissociated into a cationic active gene in aqueous solution, and has a good slime stripping effect at a high concentration. It is easy to absorb moisture, light, pressure, heat, and stable when exposure in air for a long time. Long-term storage will not affect its quality.

2. Technical Indicators

| | |
|-----------------------|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Active matter content | 44 ~ 46% |
| Ammonium salt content | <4.0% |
| pH | 6.0-8.0 |

3. Application

It is widely used in the disinfection of skin and surgical instruments during medical operations, and is also widely used in sterilization, antiseptic, emulsification, descaling and solubilization and so on. In terms of industrial water treatment, this product has high-efficiency bactericidal and algae-killing ability, low toxicity and no cumulative toxicity, soluble in water, easy to use, not affected by water hardness, and has strong peeling effect. It is suitable for the sterilization and algae removal and soft mud stripping of large-scale petrochemical plants, power plants and other circulating cooling water, and is used to control the sulfate-reducing bacteria grown under the accumulated dirt in the circulating cooling water system. In general, the concentration is 50~100ppm.

4. Package and Storage

25kg plastic drums with expire date: one year.

POLYTE[®] CW8805 Bactericidal Algaecide

1. Performance

The product is a trichloroisocyanuric acid oxidizing bactericidal algaecide. This product has the advantages of high effective chlorine content, long acting time and good bactericidal effect. It will slowly release effective chlorine when dosing to circulating water. The algae have a strong killing effect and lasting longer.

2. Technical Indicator

| | |
|------------------------------|----------------------|
| Appearance | White crystal powder |
| Effective chlorine content % | ≥88 |
| Moisture content % | <1 |
| pH (1% aqueous solution) | 2.6~3.2 |

3. Application

In terms of industrial water treatment, this product has high-efficiency bactericidal and algae-killing ability, low toxicity and no cumulative toxicity, soluble in water, easy to use, not affected by water hardness, and has strong peeling effect. It is suitable for the sterilization and algae removal and soft mud stripping of large-scale petrochemical plants, power plants and other circulating cooling water, and is used to control the sulfate-reducing bacteria grown under the accumulated dirt in the circulating cooling water system. At the same time, this product has the advantages of high effective chlorine content, long acting time and good bactericidal effect. It will slowly release effective chlorine when added to circulating water, and it has a strong killing effect on bacteria and algae for a long time with a generally concentration.

between 10~30ppm.

4. Package and Storage

25kg woven bag is lined in plastic bags with expire date: one year.

POLYTE® CW8806 Bactericidal Algaecide

1. Performance

The product is a bromine-containing oxidizing bactericidal algaecide. The product has the advantages of long acting time, low dosage, good bactericidal effect, and high effective bromine content, and the dosage is greatly reduced compared with the chlorine bactericide.

2. Technical Indicator

| | |
|---------------------------|-----------------------------|
| Appearance | White powder or flake solid |
| Active chlorine content % | ≥12 |
| Active bromine content % | ≥30 |
| Active matter content | ≥92 |

3. Application

In terms of industrial water treatment, this product has high-efficiency bactericidal and algae-killing ability, low toxicity and no cumulative toxicity, soluble in water, easy to use, not affected by water hardness, and has strong peeling effect, so it is special. It is suitable for the sterilization and algae removal and soft mud stripping of large-scale petrochemical plants, power plants and other circulating cooling water, and is used to control the sulfate-reducing bacteria grown under the accumulated dirt in the circulating cooling water system. At the same time, the product has the advantages of high effective content, long action time and good bactericidal effect with a generally concentration between 10~30ppm.

4. Package and Storage

25kg woven bag is lined in plastic bags with expidispensabilityre date: one year.