

YINGPU

Membrane system operation and maintenance chemicals **PRODUCT MANUALS**



Prominence comes from professional



DIRECTORY

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DIRECTORY

Company Profile

Since its establishment in 1998, Yingpu has been a comprehensive solution provider in the field of ecological and environmental protection, recognized as a national high-tech enterprise. The company integrates scientific research, production, sales and service, focusing on industrial water -treatment and environmental management, and is committed to offering holistic environmental solutions.

Yingpu specializes in the management of industrial and energy water-treatment systems, with a particular emphasis on the application of water-treatment chemicals, equipment, and accessories. The company's products and services encompass a wide range of areas, including water environmental solutions, operations of water-treatment systems, and investments in water projects. Additionally, Yingpu is actively exploring the field of environmental treatment, covering sludge reduction, harmless and resourceful treatment and disposal, solid waste treatment, river water rehabilitation and other ecological and environmental treatment businesses.

The company boasts a substantial municipal research and development center that spans over 3,500 square meters, equipped with an ASC laboratory, a membrane analysis center, and an information data center. Yingpu also holds nearly 20 patents for independent intellectual property rights, demonstrating its commitment to innovation and its leading position in the technology sector.

Yingpu's engineering and service team has accumulated over a decade of industry experience and possesses leading domestic technical expertise in the construction, operation, maintenance, and enhancement of membrane systems, such as reverse osmosis (RO) and ultrafiltration (UF), positioning the company as a strong player in the ecological environment solutions market.



IMPRO™ LA209

High performance liquid scale inhibitor/stabilizer

DESCRIPTIONS

Liquid scale inhibitor/stabilizer for high-performance control of scaling in reverse osmosis /nanofiltration systems

FEATURES

- Effectively control calcium carbonate scaling, with an LSI value of +3.0 without causing scaling;
- Effectively control scaling of calcium sulfate, calcium phosphate, strontium sulfate, barium sulfate, silicon, etc; Effectively control the high content of metal ion components such as aluminum and iron in raw
- water; Good compatibility with organic matter in water and can be used in reverse osmosis systems where wastewater is used as a water source.

PARAMETERS

Appearance: Light yellow to amber liquid

Density (g/cm³, 20 °C): 1.05-1.20

pH (10%, w/w): 2.20-3.20

Solubility (68°F/20°C): Completely soluble in water

INSTRUCTIONS

LA209 is a high-performance liquid scale inhibitor used to control and reduce the deposition and fouling of easily fouling components in membrane separation systems. When the system adopts the optimal dosing method and uses LA209 agent as a preventive pre-treatment, it can effectively reduce routine cleaning of the system. LA209 can be added directly or after dilution, and it is recommended to dilute it to within 5 times.

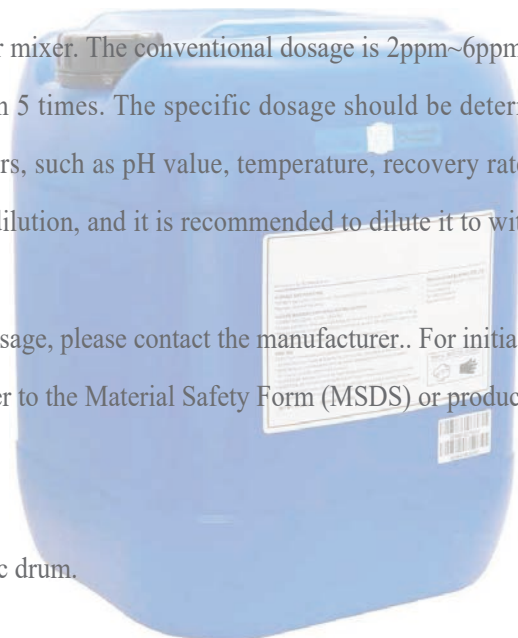
USAGE

The recommended dosing point is before the security filter or mixer. The conventional dosage is 2ppm~6ppm, and the maximum dilution ratio is recommended to be less than 5 times. The specific dosage should be determined based on the specific system. It will vary due to many factors, such as pH value, temperature, recovery rate, and salt content in the influent. It can be added directly or after dilution, and it is recommended to dilute it to within 5 times.

If users need guidance or instructions on adding additional dosage, please contact the manufacturer. For initial use information and safety precautions of this product, please refer to the Material Safety Form (MSDS) or product label instructions provided by the manufacturer.

PACKAGING

The packaging form of LA209 product is 5.7gal (25kg)/plastic drum.



IMPRO™ LA5102

High concentration phosphorus free high-performance liquid scale inhibitor/stabilizer

DESCRIPTIONS

High concentration phosphorus free liquid scale inhibitor/stabilizer, high-performance control of scaling in reverse osmosis and nanofiltration systems.

FEATURES

- Effectively controlling calcium carbonate scaling, with an LSI value of +2.9 without causing scaling;
- Effectively controlling silicon scaling, measuring silicon content in concentrated water up to 120ppm without scaling;
- Effectively control scaling of calcium sulfate, calcium phosphate, strontium sulfate, barium sulfate, etc;
- Effectively control the high content of metal ion components such as aluminum and iron in raw water;
- Good compatibility with organic matter in water and can be used in RO systems where wastewater is used as a water source.

PARAMETERS

Appearance: Light yellow to amber liquid

Density (g/cm³,20°C): 1.10~1.30

pH (5%,w/w):2.00~4.00

Solubility (68°F/20°C): Completely soluble in water

INSTRUCTIONS

LA5102 is a highly concentrated and high-performance liquid scale inhibitor. When the system adopts the optimal dosing method, using LA5102 as a preventive pre-treatment can effectively reduce routine cleaning of the system. LA5102 can be directly added without precipitation, crystallization, or similar fouling of the membrane surface even at high concentrations.

USAGE

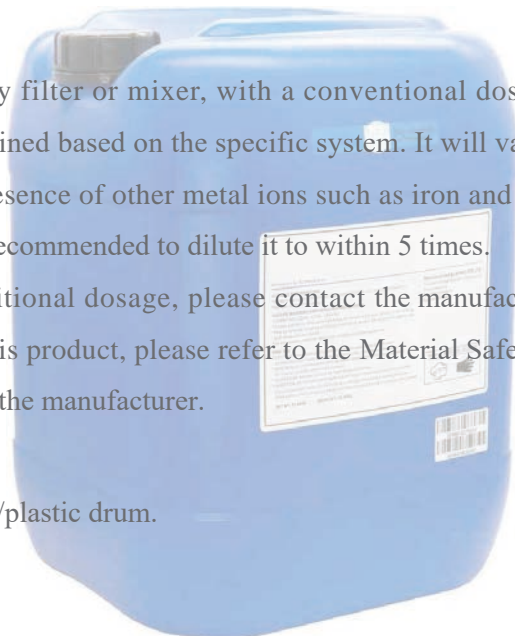
The recommended dosing point is before the security filter or mixer, with a conventional dosage of 0.2ppm~0.6ppm. The specific dosage should be determined based on the specific system. It will vary due to many factors, such as pH value, temperature, the presence of other metal ions such as iron and aluminum. It can be added directly or after dilution, and it is recommended to dilute it to within 5 times.

If users need guidance or instructions on adding additional dosage, please contact the manufacturer.

For initial use information and safety precautions of this product, please refer to the Material Safety Form (MSDS) or product label instructions provided by the manufacturer.

PACKAGING

The packaging form of LA5102 product is 5.7gal (25kg)/plastic drum.



IMPRO™ LA8609

High concentration high-performance liquid scale inhibitor/stabilizer

DESCRIPTIONS

High concentration phosphorus free liquid scale inhibitor/stabilizer, high-performance control of scaling in reverse osmosis and nanofiltration systems.

FEATURES

- Effectively control calcium carbonate scaling, with an LSI value of +3.0 without causing scaling; Effectively controlling inorganic salt scaling and specifically targeting SiO₂ in concentrated water (Reject) up to 20ppm without causing scaling;
- Designed for surface water and groundwater, it has a good scaling inhibition effect on inorganic substances such as carbonates, sulfates, and phosphates contained in water;
- Effectively control the scaling of metal ion components such as aluminum and iron;
- Compatible with organic polymer cationic flocculants such as LF120, it can also be used in RO systems where wastewater is used as a water source.

PARAMETERS

Appearance: Colorless to light yellow liquid

Odor: Neutral

Density (g/cm³, 20°C): 1.30~1.50

pH (1%, w/w): ≤2.00

Solubility (68°F/20°C): Completely soluble in water

INSTRUCTIONS

LA8609 is a highly concentrated liquid scale inhibitor. When the system adopts the optimal dosing method and uses LA8609 as a preventive pre-treatment, it can effectively reduce routine cleaning of the system. LA8609 can be directly added without precipitation, crystallization, or similar contamination of the membrane surface even at high concentrations.

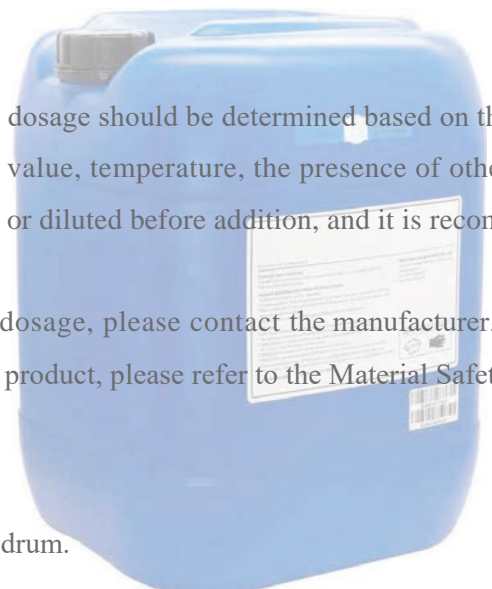
USAGE

The conventional dosage is 0.25ppm~0.8ppm, and the specific dosage should be determined based on the specific system. It will vary due to many factors, such as pH value, temperature, the presence of other metal ions such as iron and aluminum. It can be directly added or diluted before addition, and it is recommended to have a release rate of less than 5 times.

If users need guidance or instructions on adding additional dosage, please contact the manufacturer. For information on the initial use and safety precautions of this product, please refer to the Material Safety Form (MSDS) or product label provided by the manufacturer.

PACKAGING

The packaging form of LA8609 product is 5.7gal (25kg)/plastic drum.



Noxide™ LK6399

DESCRIPTIONS

- Non oxidizing bactericide suitable for various reverse osmosis membranes;
- Highly active bactericidal composition, high stability;
- Effectively control microbial contamination in the membrane system, quickly sterilize, and continuously inhibit bacteria;
- Can rapidly degrade into relatively non-toxic products through biochemical degradation;
- Dispersible liquid that quickly penetrates into the membrane;
- Adding the original solution makes the operation more convenient.

FEATURES

- Appearance: Colorless to brown liquid
- Density (g/cm³, 20 °C): 1.10~1.30
- pH(1%,w/w): 3.00~6.00
- Solubility (68°F/20°C): Completely soluble in water

INSTRUCTIONS

- In typical membrane cleaning applications, the dosage of LK6399 membrane bactericide is 200ppm-400ppm.
- In daily addition applications, the dosage of LK6399 membrane bactericide is 2ppm-10ppm.
- In intermittent addition methods, the dosage of LK6399 membrane bactericide is 20ppm-200ppm.
- Perform recirculating cleaning as needed or as recommended by professional membrane specialists. Typically used for pre-startup treatment and routine CIP cleaning/post-shutdown procedures.
- For initial usage information and safety precautions, refer to the Material Safety Data Sheet (MSDS) or product label provided by the manufacturer.

PACKAGING

- The packaging form of LK6399 product is 5.7gal (25kg)/plastic drum.



Prominence
comes from
Professional



For more product information,
please refer to the official website of YINGPU: www.yingpu-water.com