

# AquaSol 8230 RO Scale Inhibitor -

Product  
Information

Suitable for high TDS , high COD , high SiO<sub>2</sub> water quality

## General Information :

AquaSol 8230 is a phosphorus-free, biodegradable polymer scale inhibitor/ dispersant, made from a special non-ion monomer by grafting copolymerization. AquaSol 8230 is a superbranched polymer with unique properties. It is the most unique product in AquaSol series. AquaSol 8230 can achieve good performance in extremely harsh water quality such as high salt, Ca, Oil & Grease, COD, and SiO<sub>2</sub>. AquaSol 8230 can form a layer of water film around the membrane pollutants, which can increase the solubility and dispersion of those pollutants. It also can emulsify and strip off oil & grease (mineral-based hydrophobic pollutants) and organic pollutants. Because of high surface activity and wetting dispersion properties, AquaSol 8230 can enhance the washing efficiency, and extend the equipment cleaning cycle. AquaSol 8230 can be used in a wide pH and temperature range and recommend for RO system under harsh water condition such as petrochemical wastewater reuse, Landfill leachate treatment etc.

AquaSol 8230 is not only a high-performance polymer scale inhibitor, but also a good membrane cleaner. AquaSol 8230 has better compatibility with cationic flocculants such as PAC and PFS compared to other polymeric RO scale inhibitors currently available on the market.

## Product Characteristics :

- Effectively control inorganic scaling in wild concentration range, and the maximum LSI is 2.8 (in concentrated water), more effective for the system with high COD and alkaline conditions inlet water.
- Do not react with Iron, Aluminum oxides and silicon compounds
- Very good for controlling the iron and manganese fouling
- Can effectively inhibit the condensation and deposition of silica. SiO<sub>2</sub> concentration of concentrated water side can reach above 400 mg/l and alkaline operating conditions of pH>10 concentration can reach above 600mg/l.
- It can be used for DTRO/STRO/ reverse osmosis/ nanofiltration and ultrafiltration films
- Excellent solubility and chemical stability
- Feed water pH is valid within the 6~12 range
- Strong dispersion force for calcium carbonate, sulfate and other scale, so that scale in the film becomes soft and small particles, and discharged with the system recoils
- It can avoid membrane system microbial pollution caused by phosphorus and nitrogen
- Under necessary conditions, increasing the dosage of this product will not pollute the film and have no negative impact on the system

## Specification :

Appearance	Colorless to light amber liquid
Ion	Anionic
pH, (25°C)	1.0 - 5.0
Density, (25°C)	1.15 - 1.30 g/cm <sup>3</sup>

## Usage :

AquaSol 8230 is concentrated liquid, the reference dosage range is 2~5ppm depend on different water & system conditions. Generally recommended dosage is usually 3ppm by standard solution .Before using the product, it is recommended to consult us to calculate a precise dosage for optimal results and economical cost.

## Package and Storage :

200L plastic drum, IBC(1000L), or Customized package.  
Shelf life is twelve months under normal handling and storage conditions.