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ANTI SCALANT

COMPLETE RANGE OF SCALE CONTROL SOLUTIONS

POWERFUL PROTECTION • BETTER PERFORMANCE • LONGER EQUIPMENT LIFE

Scale formation in water systems leads to higher energy consumption, reduced efficiency, frequent shutdowns and equipment damage. Our advanced Anti Scalants are specially formulated to control scale, disperse precipitation and keep your systems running at peak performance.



EFFECTIVE SCALE CONTROL

Prevents scale deposition & buildup



ENHANCED EFFICIENCY

Improves system performance & heat transfer



EXTENDED EQUIPMENT LIFE

Reduces corrosion, deposits & downtime



COST SAVING

Lower maintenance cost and energy consumption



ECO FRIENDLY

Environmentally responsible formulations



WIDE COMPATIBILITY

Suitable for different water qualities & system types

PRODUCT DESCRIPTION

MAXON Anti Scalants are high performance water soluble chemical formulations that inhibit the precipitation of scale forming salts such as Calcium Carbonate, Calcium Sulfate, Barium Sulfate, Strontium Sulfate, Silica and others. They work by dispersing scale particles, sequestering hardness ions and modifying crystal growth.

- Controls scale in wide range of water conditions
- Effective in high TDS, high hardness & high alkalinity waters
- Compatible with other water treatment chemicals
- Low toxicity and safe to use
- Suitable for continuous and intermittent systems

TYPES OF ANTI SCALANTS

TYPE / BASE	DESCRIPTION
POLYMER BASED ANTI SCALANTS	Acrylic polymers, Maleic polymers, Polycarboxylate ether, Phosphino Carboxylic Polymers, etc. Excellent dispersion & threshold inhibition for CaCO ₃ , CaSO ₄ & other scales.
PHOSPHATE BASED ANTI SCALANTS	ATMP, PAA, PBTC, DTPMP, HEDP, Phosphonates, etc. Effective in sequestering metal ions and controlling hard scale.
HEDP BASED ANTI SCALANTS	1-Hydroxy Ethylidene 1,1-Diphosphonic Acid based formulations. Good scale inhibition, corrosion control and chemical stability.
PHOSPHINO CARBOXYLIC BASED ANTI SCALANTS	ATMP, DTPMP, PESA, EDTMP based. Superior threshold & crystal modification performance in challenging waters.
ORGANIC-INORGANIC HYBRID FORMULATIONS	Combination of polymers, phosphonates, phosphates & dispersants. Broad spectrum performance for severe scaling conditions.
SILICA CONTROL FORMULATIONS	Specially designed polymers & dispersants to control silica scale in RO & boiler systems.

SUITABLE FOR ALL WATER SYSTEMS

- BOILERS (Low & High Pressure)**
Controls scale, improves heat transfer & steam efficiency
- COOLING TOWERS**
Prevents scale & maintains heat rejection efficiency
- REVERSE OSMOSIS (RO) SYSTEMS**
Protects membranes from scaling and fouling, improves permeate quality
- HEAT EXCHANGERS**
Enhances heat transfer and reduces maintenance
- CHILLERS & CONDENSERS**
Prevents scale and maintains system efficiency
- INDUSTRIAL WATER CIRCUITS**
Control of scale in open & closed circuits
- MEMBRANE SYSTEMS (UF / NF)**
Compatible with membrane systems
- PROCESS WATER SYSTEMS**
Effective in high TDS and high hardness conditions

★ KEY BENEFITS



Prevents scale deposition & crystal growth



Maintains system efficiency & productivity



Reduces cleaning frequency & downtime



Saves energy & operational costs



Protects equipment from scaling and corrosion



Works in wide range of water qualities & conditions

HOW TO USE

Anti Scalant should be continuously dosed into the water system at a point where it can be thoroughly mixed and evenly distributed.

IMPORTANT FACTORS

- Water hardness (Calcium & Magnesium)
- Alkalinity and pH
- Temperature
- Total Dissolved Solids (TDS)
- Type of scale forming salts present
- System design and operating conditions

Note: Optimum dosage is determined based on water analysis, system conditions and scale potential.

HANDLING & STORAGE

- Store in a cool, dry, well-ventilated area.
- Keep away from direct sunlight and heat sources.
- Use proper PPE: Gloves, Goggles and Protective Clothing.
- Keep container tightly closed when not in use.
- Avoid contact with strong acids, bases and oxidizing agents.

SAFETY INFORMATION

- Non-flammable & Non-explosive.
- Avoid contact with skin, eyes and clothing.
- In case of contact, wash immediately with plenty of water.
- Harmful if swallowed.
- Refer to MSDS for detailed safety information.



PACKING

- Available Packing:
- 30 KG HDPE Can
 - 210 KG HDPE Drum



COMPATIBILITY

Compatible with most water treatment chemicals including biocides, corrosion inhibitors, dispersants and membrane cleaners.



WATER QUALITY COMPATIBILITY

Effective in a wide range of water conditions including low to high hardness, high TDS and varying pH.



WHY CHOOSE MAXON ANTI SCALANTS?

- Wide range of high performance formulations
- Proven results in all types of industries
- Technical support for product selection and system optimization
- Reliable quality and consistent performance
- Cost effective solutions for longer life

ANTI SCALANT - SMARTER PROTECTION, BETTER PERFORMANCE!