

Welcome to

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Who we are..

- **Bimaks is a leading company in water treatment chemicals industry established in Turkey in 2006**
- **With a headquarter office in Istanbul and a production facility in Yalova**

Our range of products



WATER TREATMENT
CHEMICALS



INDUSTRIAL
CLEANERS



OIL & GAS
CHEMICALS

Water Treatment Chemicals

- **Reverse Osmosis Chemicals**
- **Open Cooling Towers Chemicals**
- **Closed Cooling Chemicals**
- **Boilers Chemicals**

Reverse Osmosis Chemicals

- **Reverse Osmosis Pre-Treatment Chemicals**

1- Coagulant

2- Flocculant

The benefit of using pre-treatment chemicals:

- **To improve the performance of the pre membrane equipment**
- **To prevent biological accumulations**



3- Ultrafiltration Cleaners

MAKS 464

- Effective cleaner for removing hard scales like calcium oxides, iron oxides, silicates, manganese, aluminum, copper
- Reduces the frequency of membrane cleaning
- Compatible with all membrane types

MAKS 466

- Clean suspended solids and organic deposits, increases the system efficiency
- Buffered against pH changes that may occur during cleaning
- Compatible with all types of ultrafiltration and micro filtration membranes



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Antiscalants

MAKS 400P

- Highly effective antiscalant across a broad spectrum of waters
- Minimize scale formation and reduces frequent membrane cleaning
- Cost effective application due to low dose rate
- NSF approved for use in potable water production

MAKS 880

- Reduced version of MAKS 400P
- Same specifications of MAKS 400P with same superior performance
- Customizable concentration according to the end-user application requirements



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Antiscalants

MAKS 830

- Specially designed for sea water applications
- Prevents silica and hardness salts formation and increases system efficiency
- Contains active ingredients for sludge formation prevention and increases membrane cleaning range
- Complies with NSF up to 15 ppm

MAKS 804

- Based on phosphonic acids and polycarboxylic acid
- Inhibits common scales (calcium carbonate/sulphate, calcium phosphate, barium/strontium sulphate, silica, iron/manganese)
- Suitable for the pH range from 7-10
- Reduces or replaces the need for acid addition
- Complies with NSF regulations up to 25 ppm



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Membrane Cleaners

MAKS 482

- Effective alkaline cleaner for removing acid insoluble sulfates of calcium, barium as well as calcium fluoride
- High level of active substance
- Wide range of applications

MAKS 494

- Designed to remove silica and iron fouling, it also has effectiveness against calcium carbonate scaling
- Buffered to ensure pH control
- It can be enhanced by the addition of MAKS 482 to the cleaning solution when some minor pH correction may be necessary



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Post RO Treatment Chemicals

MAKS 490

- Corrosion control agent, effectively in corrosive low hardness water (prevent formation of red water)
- Extends pipe and equipment life
- Can be used in domestic and potable water lines



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Open Cooling Towers Chemicals



**Scale & Corrosion
Inhibitors**



**Multi-Functional
Chemicals**



**Microorganism
Control Agents**

Open Cooling Towers Chemicals

- **Scale & Corrosion Inhibitors**

MAKS 2101C PLUS

- **Controls scale formation at high hardness conditions**
- **Multi corrosion inhibitor properties including copper and copper alloys**
- **Reduces or eliminates acid feed**

MAKS 2205

- **Prevents precipitation of hardness salts and iron oxides on the heat transfer surface**
- **Saves energy on heat transfer surfaces by preventing scale and corrosion formation and extends the life of the cooling system**



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Open Cooling Towers Chemicals

- **Scale & Corrosion Inhibitors**

MAKS 2214

- Prevent corrosion and scale formation and fouling deposition in open re-circulating cooling water systems
- Disperses suspended solids and maintains clean transfer surfaces
- Prevent scale formation and reduces the need for acid under alkaline pH conditions

MAKS 2911

- Controls scale formation at high hardness conditions
- Multi-corrosion inhibitor properties
- Reduces or eliminates acid feed or softening pre-treatment



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Open Cooling Towers Chemicals

- **Microorganism Control Agent**

MAKS 4080

- **A combination of heterocyclic compounds formulated in an aqueous solution**
- **Effective against a broad spectrum of microorganisms over extended periods**
- **Helps to minimize slime problems which can cause costly reduction in heat transfer**
- **Easy to apply, active at low dosages**
- **Organic based and can provide minimum 90% protection**

MAKS 4132

- **A combination of organic amine compounds biodispersant**
- **Maintain/increases heat transfer efficiency – supports corrosion protection**
- **Improves effectiveness of chlorination and biocides**
- **Helps reduce maintenance costs and prolong equipment life**



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Open Cooling Towers Chemicals

- **Microorganism Control Agent and Multifunctional Chemicals**

MAKS 4000

- **Effective control of microbiological growth and deposits in industrial cooling towers**
- **Increased efficiency over chlorine chemistry at high pH and in the presence of ammonia**
- **Minimal reaction with organics and reduced attachment of organic inhibitors**



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Closed Cooling Chemicals

- Scale and Corrosion Inhibitors
- Microorganism Control Agent
- Multifunctional Treatment (2 in 1 products)

Closed Cooling Systems Chemicals

- **Scale and Corrosion Inhibitors**

MAKS 3000 and 3100

- Provides maximum protection for mild steel, copper and yellow metals in closed cooling systems
- Extends equipment life and reduces maintenance costs
- Compatible with antifreeze

- **Microorganism Control Agent**

MAKS 4081

- Saves energy on heat transfer surfaces by preventing scale and corrosion formation and extends the life of the cooling system
- Contains biocides preventing all bacteria's formation



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Closed Cooling Systems Chemicals

- Multifunctional Treatment (2 in 1 products)

MAKS 3300

- New generation, all organic scale and corrosion inhibitor
- Provides effective protection on the steel, copper and brass against corrosion
- Saves energy on heat transfer surfaces by preventing scale and corrosion formation
- Provides passivation of metal surfaces (protective film)
- Environmentally friendly; does not contain heavy metals like nitrite, molybdate and chromate



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Boilers Chemicals

- **Oxygen Scavengers**
- **Scale Inhibitors**
- **Condensate Corrosion Inhibitors**
- **Multifunctional Treatment (2 in 1 Products)**
- **Multifunctional Treatment (3 in 1 Products)**

Boilers Chemicals

- **Oxygen Scavengers**

MAKS 1100 (liquid form) & MAKS 1110 (powder form)

- Reduces dissolved oxygen in boiler feed water systems to protect from corrosion
- Catalyzed form for faster reaction at lower temperatures
- Can be used at pressured up to 40 bars

- **Scale Inhibitors**

MAKS 1200U

- Designed to prevent scale formation and resulting tube failures
- Supports internal metal passivation in feedwater and boiler system
- Complies with FDA and USDA regulations in food industry, sterilization and steam humidification



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Boilers Chemicals

- **Condensate Corrosion Inhibitors**

MAKS 1300 and MAKS 1301

- **Neutralize acid-forming gases like CO₂**
- **Reduce condensate system maintenance cost**
- **Minimize boiler tube failures caused by corrosion product in returned condensate**

- **Multifunctional Treatment (2 in 1)**

MAKS 1420 and MAKS 1440

- **Prevent scale formation and resulting tube failures**
- **Include online cleaners removing scale and iron deposits during operation**
- **Multifunctional product includes oxygen scavenger**
- **Help produce better quality steam by preventing foaming**
- **Provide high steam purity also at higher cycles of concentration**



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Boilers Chemicals

- Multifunctional Treatment (3 in 1 products)

Multifunctional products containing oxygen scavengers, scale inhibitors and condensate corrosion inhibitors

MAKS 1550F and MAKS 1560F and MAKS 1570

- Prevent scale formation
- Help produce better quality steam by preventing foaming
- Cleans and dissolves existing deposits resulting in fuel savings
- Can be used without deaerators in systems with low pressure
- Clean iron scaling and rocks in boiler systems
- Easy to use and apply



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Wastewater Chemicals

- Coagulant
- Flocculant

Wastewater Chemicals

- **Coagulant**

MAKS 6220 (liquid poly aluminum chloride) & MAKS 6160 (liquid ferric chloride) & MAKS 6520 (sodium sulfate)

- Easy to handle
- Effective over a wide pH range
- Forms a large, rapid settling floc
- Effective at low temperature

- **Flocculant**

MAKS 6130

- Easily soluble in water (powder polymer)
- Highly effective at low dosage rates



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Wastewater Chemicals

- **Flocculant**

MAKS 6110 (Anionic Polyelectrolyte)

- Can be used in a wide range of applications
- Quick dissolution
- Absence of gels
- Minimum dusting compared to other powder polymers

MAKS 6440 (Cationic Polyelectrolyte)

- Liquid, easy to handle
- Miscible with water
- Effective over a wide pH range
- Reduces treatment sludge
- Forms a large, rapid settling floc
- Effective at low temperatures



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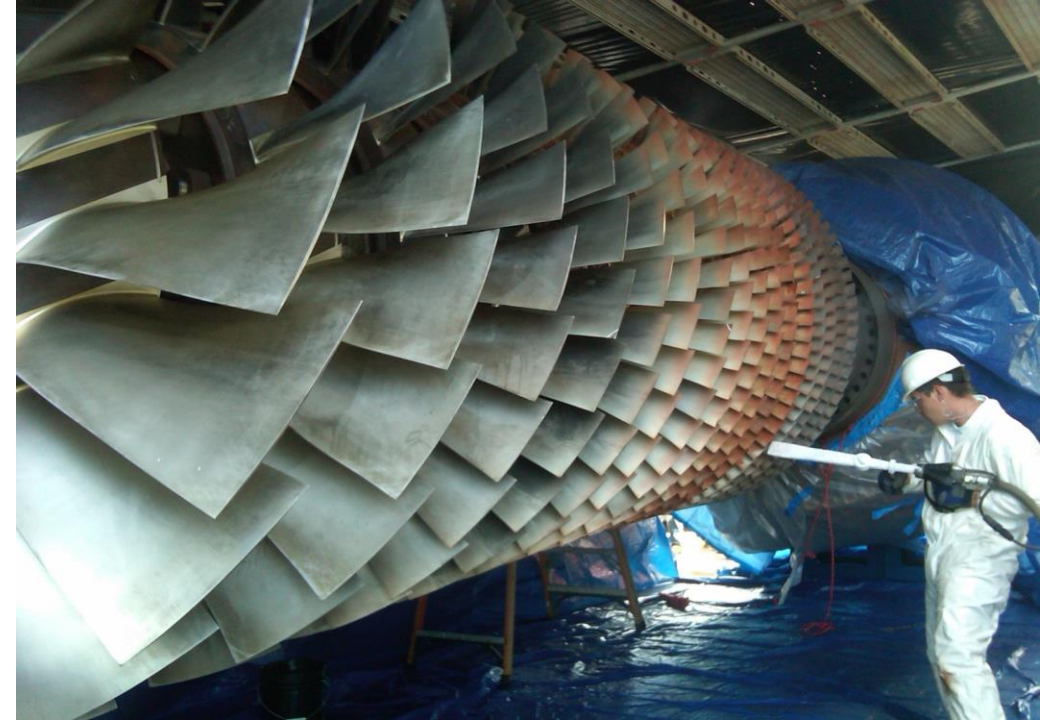
Industrial Cleaners

Bimaks Kimya has noticed the need for industrial cleaners in MEA region. These products are very important for electrical and power divisions as it has cleaning properties for special equipment. Therefore, Bimaks developed a wide range of industrial cleaners to satisfy the increasing demand in the region.

Gas Turbine Cleaner

MAKS GTC (super concentrated product to be diluted in a ratio 1:19) and MAKS GTC 1000 (concentrated product to be diluted in a ratio 1:4)

- **Neutral cleaning fluid for cleaning and corrosion inhibiting of gas turbine compressors**
- **Ensure maximum power output**
- **Better fuel efficiency**
- **Reducing costly downtime and production losses**
- **Has inherent corrosion inhibiting properties which are compatible with aluminum, magnesium nickel, cadmium, stainless steel and titanium**



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Oil & Gas Chemicals

Bimaks Kimya has a wide range of products related to oil, gas, and drilling industry. From corrosion and scale inhibitors, H₂S scavenger, we provide a full range of products that satisfy the needs of the modern industrial applications in oil and gas sectors

References





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Thank you for
your attention

For further information

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