



KIMIA LOTUS CHEMICAL



COMPANY

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SINCE: 2014

CEO: Sara Vazifeh ardalani





Message from CEO

I am delighted to extend my warmest greetings to all of you on behalf of Kimia Lotus Chemical Company.

At Kimia Lotus, we are dedicated to pioneering advancements in water treatment technologies, particularly in the realms of anti-fouling and anti-corrosion solutions. Our commitment to excellence in this critical field has enabled us to serve a diverse range of industries, including petrochemical, refinery, and steelmaking sectors, with unparalleled efficacy and reliability.

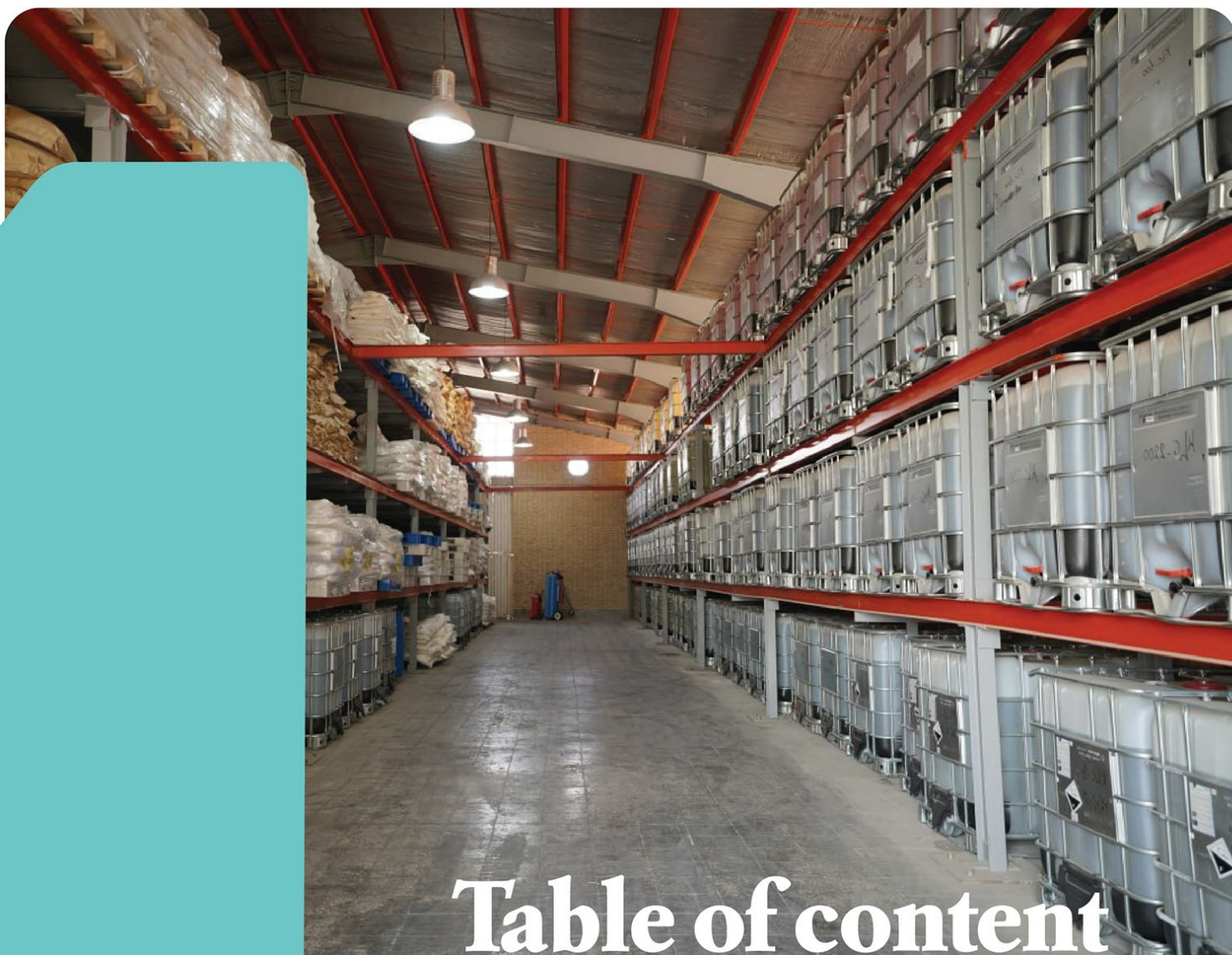


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- Supplying chemicals to over 11 provinces nationwide.
 - Serving more than 36 petrochemical complexes across the country.
 - Delivering chemicals to 10 refinery complexes.
 - Supporting 19 steel complexes with chemical solutions.
 - Key supplier to Iran's national copper industry.
 - Establishing representative offices in 6 provinces across the nation.
- Annual production capacity of 100,000 tons



With the presence of experts and experienced engineers, this company is able to participate in the maintenance and control of the quality and quantity of the relevant systems by conducting regular tests, by providing weekly or monthly reports, by deploying resident forces in the consumer unit, the intellectual concern of managers and respected officials of organizations and companies. in controlling the above systems as best as possible.

Water treatment typically involves several types of chemicals to address various issues such as corrosion control, scale inhibition, and microbial growth prevention. Here's a list of common water treatment chemicals used in the Petrochemical, refinery, steel complex industries:

1. **Corrosion Inhibitors:** These chemicals protect metal surfaces from corrosion by forming a protective layer.
2. **Scale Inhibitors:** Prevent the formation of scale deposits on equipment surfaces, which can impair heat transfer efficiency and lead to equipment damage.
3. **Antiscalants:** Similar to scale inhibitors, antiscalants prevent scale formation by interfering with the crystallization process of minerals present in water.
4. **Biocides:** Used to control microbial growth, including bacteria, algae, and fungi, which can cause fouling and corrosion in water systems.
5. **Oxygen Scavengers:** Remove dissolved oxygen from water to prevent corrosion in steel equipment.
6. **pH Adjusters:** Maintain the pH of water within the desired range to prevent corrosion and scale formation.
7. **Coagulants and Flocculants:** Aid in the removal of suspended solids and organic matter from water through the process of coagulation and flocculation.

8. Dispersants: Help to disperse and prevent the re-agglomeration of suspended solids in water, facilitating their removal from the system.

9. Filtration Aids: Improve the efficiency of filtration processes by enhancing the removal of suspended solids and other impurities.

10. Defoamers: Reduce foam formation in water treatment processes, which can interfere with equipment operation and efficiency.

11. Chelating Agents: Bind to metal ions to prevent their interference in water treatment processes and reduce the risk of scale formation.

12. Passivation Chemicals: Used to form a protective oxide layer on metal surfaces, preventing corrosion and extending equipment lifespan.



These chemicals are often used in combination and dosed according to specific water quality parameters and system requirements within steel complexes. Additionally, their application may vary based on factors such as water source, treatment objectives, and operating conditions. Consulting with water treatment specialists or chemical suppliers is essential for selecting the most appropriate chemicals and optimizing treatment processes in industry applications.

Cooling Water Treatments

- Corrosion control
- Scale control
- Deposit control
- Iron control
- Microbiological control
- Anti-fouling
- All organic plus
- Stabilized phosphate

Closed System Treatment

- Corrosion control
- Scale control
- Bacteria/Slime control
- Odor control



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Boiler Water Treatment

- Feed water corrosion and deposit control
- Volatile and volatile oxygen scavengers
- All polymer programs
- Carryover/foam control
- Condensate treatment
- Phosphate residual programs
- Alkalinity builders
- Sludge conditioners

Additional Solutions

- A comprehensive range of filming neutralizing and combined amines for condensate treatment
- pH correction

Focus Areas:

- Sustainable solutions for water resource management
- Global expertise in providing cleaner environments
- Operational experience spanning years

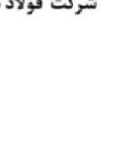
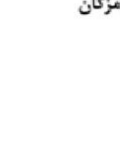
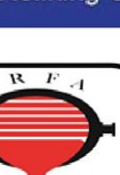
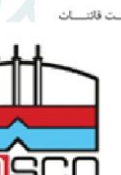


Kimia Lotus Chemical Company has garnered extensive experience collaborating with Iran's foremost Petrochemicals, Refineries, Steel, and Copper complexes. Additionally, it has successfully expanded its operations beyond Iran's borders, notably to Iraq, by offering high-quality chemicals that rival those of international companies.

Do You Know ?



Our customers



- Establishment of a technical office equipped with the latest portable devices
- Deployment of resident technical expert
- Sending technical resident experts to check the water situation inside the cooling systems (boilers) and boilers according to the plan
- Installing corrosion rock for coupons in order to estimate and monitor general corrosion and deposition in the system
- Measurement of instantaneous corrosion by the curator device
- Send a variety of microbial kits TBC, SRB
- Send standard coupons for corrosion, sediment and biofilm
- Advice on controlling sediment and corrosion of various systems such as cooling towers, boilers, etc.
- Holding training classes related to control, prevention and improvement in various circulating water supply systems
- Provide monthly technical reports to technical officials
- Establishing direct communication with officials and providing appropriate solutions
- Analyze the status of systems and provide practical solutions according to the capabilities of the operator

For inquiries or further information, please contact Lotus Chemical.



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