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AL JAZIRA WATER TREATMENT CHEMICALS

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ABOUT US

Al-Jazira Water Treatment Chemicals, a Saudi Arabian company founded in 1985, specializes in manufacturing, marketing, and providing technical support for water and wastewater treatment chemicals and solutions. We have established partnerships with major Saudi Arabian organizations, offering specialty water treatment chemical products along with regular technical services.

Our plant, located on the Dammam-Jubail Highway in the Al Khadijah industrial zone, boasts a fully operational stainless-steel reactor with a 25,000-liter capacity and in-house laboratory facilities for analytical tests. The plant is equipped with proprietary software for sophisticated calculations tailored to plant water quality and system/equipment information.

At Al-Jazira, our highly qualified and trained consultants design and implement specific chemical treatment programs, ensuring they meet the unique needs of our clients. We pride ourselves on delivering high-level expert consultancy and technical services to support water treatment initiatives in the Kingdom.

Mission

Al-Jazira Water Treatment Chemicals dedication to fostering a sustainable environment through pioneering solutions to enhance water quality. Our commitment extends to surpassing customer expectations, providing sustainably developed products and services meticulously tailored to efficient water management. We are steadfast in our pledge to deliver unparalleled value-added services, ensuring a lasting positive impact on water treatment initiatives.

Vision

Al-Jazira Water Treatment Chemicals Committed to be a strategic partner, providing a full and comprehensive range of Chemicals, Equipment & services, for water and wastewater treatment, optimizing water resources & processes.

Values

Committed Clean, safe & healthy water to our environment.

Quality

Al-Jazira Water Treatment Chemicals is producing the highest quality and the most competitive products and systems, fully satisfying customers with our services.

Partners

Beyond our developed & manufactured locally products, Al- Jazira water treatment chemicals have partnerships with leading water treatment manufacturers from USA, Europe & Asia, to distribute water treatment products in the kingdom of Saudi Arabia.

Clients

Al-Jazira Water Treatment Chemicals is registered and has agreements and contracts with all major Saudi Arabian Organizations, as a specialty water treatment chemical product supplier, providing regular technical support and services.

•Aramco Vendor ID 10012998	•Sabic Vendor ID 0000500278
•Marafiq Vendor ID 2619	•MASA Vendor ID 2619
•Rabigh Power Co. Vendor ID 100254	•Petro Rabigh Vendor ID 100630
•Maaden Phosphate Vendor ID 6887	•Sadara ID 1000000955
•Saudi Electricity Co.	•Ministry of Defense, Vendor ID 101982
•NWC Vendor ID 11487	•SWCC Vendor ID 2524

I.Specialty Chemicals

We are offering a wide range of water conditioning chemicals for reverse osmosis desalination, steam boilers, cooling towers, closed chilled or hot water systems, domestic water corrosion inhibitors, biocides, coagulants, scale removers and neutralizers, as well as commodity chemicals.

We carry out our own computer software for all calculations of necessary dosing, according to specific application, including normalization software for reverse osmosis desalination plants. Might necessary our application engineering team remains stand-by for engineering advice on every water.



II. Antiscalant – NSF Approved

We are offering special blends of Antiscalant compatible with all major Reverse Osmosis elements manufacturers to prevent scaling of Calcium carbonate & sulphate, Barium and strontium sulphates, Manganese hydroxide, Silica salts & Iron fouling.

Our Antiscalant are approved & complying with and drinking water requirements of NSF/ANSI 60 standard.

III. Cleaning Chemicals

Our production range includes several products for acidic or alkaline cleaning in place (CIP) reverse osmosis and nanofiltration elements, in order to remove:

- Calcium carbonate scales
- Calcium sulphate scales
- Silica scales
- Biofouling
- Iron oxides

IV. Industrial Water Additives

We are producing and offering a wide range of industrial water additives for:

- Steam or water boilers
- Industrial cooling water systems
- Closed chilled or hot water systems.
- Domestic water corrosion inhibitors
- Biocides
- Coagulants
- Scale removers and neutralizers

V. Steam Boiler Conditioning

Steam boiler water conditioning is essential for safe and economic operation of boiler, improving the quality of steam, protection of boiler and condensates pipelines against scaling and corrosion, as well as reduce operation cost. Our production range includes:

- Steam boiler water sludge dispersants and Antiscalant
- Oxygen scavengers for steam boiler feed water
- Steam and condensates treatment

VI. Cooling Tower Water Conditioning



Economic and effective operation of cooling tower is always a key point for proper operation of heat transfer in industrial cooling systems. Al Jazira Water Treatment Chemicals can provide a wide range of products and services. Indicative, but not limited, products listed below:

- Corrosion and scale inhibitors
- Oxidizing or non-oxidizing biocides
- Coupons and corrosion measurement racks
- Bacteria count dip slides.

VII. Closed Chilled or Hot Water Systems Corrosion Inhibitors

Closed water systems are widely used for refrigerating rooms, big buildings air conditioning, distance cooling systems and other applications. Our pallet or products includes:

- Steel pipe and equipment cleaners and passivators
- Corrosion inhibitors
- Non-oxidizing biocides
- Stainless steel pot feeders

VIII. Domestic water corrosion inhibitors

Red water problem always appears in once-through municipal desalinated water systems, due to very low hardness and alkalinity of water. We are offering complete solutions to eliminate carbon steel pipes corrosion by

- Automatic dosing systems
- Corrosion inhibitors and passivators

IX. Biocides

Biocides are widely used in water treatment, since bacteria colonies are easily growth up creating films and slimes on pipe and equipment surface. Algae, fungi, or other bacteria are very common in industrial cooling systems, while legionella pneumophila may appear in big building air condition systems.

We are offering a wide range of oxidizing or non-oxidizing biocides to control bacteria growth and keep systems clean and effective.

X. Scale removers and neutralizers



De-scaling of industrial equipment (boilers, heat exchangers, etc) is probably necessary during normal annual maintenance, to improve performance and effectiveness of heat transfer.

We are offering a range of acid scale removers, suitable for carbon steel, copper alloys or stainless-steel equipment, as well as the necessary neutralizers and passivators used after chemical cleaning.

XI. Coagulants

Coagulation – flocculation process is widely used in potable or industrial water processes, like

- Surface or well water clarification
- Industrial wastewater treatment
- Municipal sewage sludge dewatering
- Reverse osmosis desalination pre-treatment
- Swimming pool water

We can provide a wide range of inorganic coagulants, as well as organic anionic-cationic-non-ionic polymers of low-medium-high molecular weight.

Laboratory jar test is used to determine proper dosing of coagulants and optimize the process.



XII. Commodity Chemicals

Beyond specialty chemicals, dedicated for specific water treatment applications we are offering a variety of commodity chemicals, indicative but not limited to

- Calcium hypochlorite
- Sodium hypochlorite
- Sulfuric acid
- Hydrochloric acid
- Caustic soda solutions
- Citric acid
- Sodium metabisulfite
- Aluminium Sulphate
- Ferrous Sulphate
- Ferric Chloride

XIII. Filtration Media

With addition to the chemicals, we keep in our storing facility a wide range of media for filtration & Ion exchanging process dedicated for specific water treatment applications indicative but not limited to

- Sand & Gravel
- Activated Carbon
- Anthracite
- Garnet
- Birm
- Green sand



XIV. Ion Exchange Resin

Depending on your requirements, whether it's wastewater treatment, process water, drinking or specialty water, we offer wide range of proven products and advanced water technologies for the following:

- Water Treatment (Softening & De-ionizing)
- Power Plants.
- Ultra-Pure Water
- Catalyst
- Food
- Chromatography Separation
- Chelating Resin
- Synthetic Absorbents

