



**KRIANVEE CHEMICALS**

BREATHING LIFE INTO CHEMISTRY

With the goal of serving PAN India by delivering A to Z water treatment needs like specialty chemicals, commodity chemicals, and water treatment facilities ZLD or separately based on the demands of the customer with its components.

# BOILER CHEMICALS

*High fuel costs, pricey tube repairs, boiler downtime, and associated output loss can all be avoided by putting the right treatment in place before problems like scale and corrosion start to arise.*



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## ANTISCALENTS

A wide range of antiscalents help in preventing the formation of scale within the boiler drum by selecting the right product.

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## OXYGEN SCAVENGERS

We have a range that covers low to high pressure boiler oxygen scavengers that help in controlling oxygen induced corrosion

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## PH BOOSTERS

All ranges of pH boosters available can be selected based on the boiler types and source feed water source

# COOLING WATER CHEMICALS

*A sustainable cooling tower water treatment eliminates biological fouling and corrosion, reduces scaling and sediment deposition, and extends the life of the plant and equipment. The state of the art design of treatment can also help in energy and water conservation*



## **CORROSION INHIBITORS**

Mild steel, Cu and their alloy corrosion inhibitors protect equipment in open and closed re-circulating cooling water systems with anodic and/or cathodic protection

## **SCALE INHIBITORS**

High hardness in water, high COC, high pH, and alkalinity lead to scaling in heat transfer equipment. We have all the ranges of scale inhibitors that protect the system from scaling

## **DISPERSANT**

Dispersant is the heart of any critical cooling tower system. It protects systems from fouling or deposition by the advanced polymeric properties of the dispersant

## **BIO DISPERSANT**

The heat exchanger's slime buildup is removed by this treatment, keeping the heat transfer surfaces clear. It enhances both oxidizing and non-oxidizing biocides' efficacy

## **NON-OXIDIZING BIOCIDES**

Biocide and algaecide that work quickly in water cooling towers, air washers, pasteurizers, and other re-circulating water systems. It is effective at a wide range of pH.

# RO CHEMICALS

*RO systems need to be properly maintained in order to prevent scaling and fouling, to maximise water output, and to lengthen the life of the membranes. RO membrane and plant performance can be enhanced with the thoughtful selection and application of contemporary treatment chemicals, particularly for hard water and high silica water*



## MEMBRANE ANTISCALANT

Membrane antiscalant eliminates scale and fouling in a wide range of water sources, including brackish, sewage, and seawater

## ACIDIC CLEANERS

Maintains system performance and product water quality at a higher level

## ALKALINE CLEANERS

Alkaline cleaning is a common approach for eliminating a wide range of soils from metal surfaces.

## BIO-CLEANER

Bio-cleaning is a deep clean undertaken in order to eradicate diseases and harmful pollutants

## ALKALINITY REDUCER

This product is used to reduce excess alkalinity in the RO feed water to prevent scale in membranes and maintain product flow as per design

## ALKALINITY BOOSTER

Our Alkalinity Booster increases overall alkalinity to a safe level and makes it simpler to transfer low-corrosive water to the end point

# WASTEWATER TREATMENT

*An ETP is the process of purifying industrial wastewater for reuse or safe disposal in the environment (Effluent Treatment Plant). The wastewater produced by various companies must be treated before it is discharged into the environment. A variety of coagulants To separate solids from liquids in ETP, flocculants are used.*



## ORGANIC COAGULANT

The coagulant has excellent performance qualities and is suited for the treatment of raw water and industrial wastewater. This contributes to a reduction in the sludge burden.

## COLOUR REMOVAL

Organic colour removal chemical that works well in industrial coloured effluent such as textile mills, paper mills, and so on, producing less sludge than typical lime and DeSo4 treatment for small mills

## DWPE

The dewatering polyelectrolyte range includes low molecular weight powder and cationic grade dewatering polyelectrolytes used for organic sludge dewatering and compaction

## FLOCCULANT (ANIONIC & CATIONIC)

Anionic flocculant used in primary clarifying and sludge dewatering to separate suspended materials. Cationic flocculants are used in primary and secondary clarity processes, as well as sludge dewatering in smaller systems.

## DEFOAMER

This product is an effective antifoam solution for waste water treatment purposes, assisting in the reduction of foam generation

# COMMODITY CHEMICALS AND LAB REAGENTS

*Poly Aluminum Chloride  
(Spent PAC, Powder PAC, PAC10, PAC 14 & PAC18)*

*Alum (Ferrous & Non-Ferrous)*

*Sodium Hypo Chloride*

*SMBS*

*Lime*

*Calcium Chloride*

*Soda Ash*

*FeCl<sub>3</sub>(Powder & Liquid)*

*HCL*

*H<sub>2</sub>SO<sub>4</sub>*

*NaOH*

*Tri Sodium Phosphate (Anhydrous & Range of Hydrrous)*



# WATER TREATMENT PLANTS AND COMPONENTS

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### RO PLANT

The scope of this application has been continually expanding since invented. Its demands increase in industry to conserve water, energy consumption, control pollution and reclaim useful materials from waste streams have made new application economically attractive.

### WTP

A water treatment plant is a place to which wastewater (water that is no longer suited for its current use) is directed after it exits homes and businesses via sewage/effluent pipes.

### STP

A sewage treatment plant, often known as a STP plant, is used to remove impurities from waste water. Physical, chemical, and organic processes are used to remove physical, chemical, and biological pollutants.

### SOFTENER

Water softening is the removal of calcium, magnesium, and sometimes iron ions from water. Water softening eliminates the harmful minerals from the water in this manner.

### CHEMICAL DOSING SYSTEM

Chemical dosing system is designed to inject chemicals into the chemical water treatment plant. It can be designed to dose manually or with automation based on the need and severity of the systems. Systems consist of pumps, online sensors and dosing tanks.

### AUTOMATION SYSTEM

Automation system is a control method in which chemicals are being fed to the dosing point by the rate preset based on the water chemistry by online parameter measured by installed meters. It will minimize the need of human resources and results can be viewed on handsets too.



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