



WATER

TREATMENT



M/S Rossari Biotech Ltd is **India's largest specialty chemical manufacturing public listed company** having more than twenty years of experience in specialty chemicals.

The core philosophy of "**making you more competitive**" is the principle that has always defined us and that guides our emergence as a World Enterprise, dedicated to the betterment of everyone around us.

Vision

- Provides high quality products to the industry, backed with strong R&D
- Cost effective products, to make you competitive in the market place
- Eco-Friendly products that reduce effluent load & minimise impact on the environment
- Design products tailored to customer requirements, since customer is the King

Our Values

Our values guide every action that we take



Strength

- State-of-the-art production facility at Silvassa and Dahej providing high quality products
- Flexible Manufacturing Setup.
- Cost effective and eco-friendly products
- Strong penetration with 6 regional offices in the country Strong technical support with 24/7 service
- Association & Membership with leading domestic & global research associations Strong Global Network – Present Across 17 Countries

Combined experience of 100 years in managing Industrial Water Treatment Chemical business.
ISO 22000:2018, ISO 9001:2015 & ISO14001:2015 Certified; OHSAS 18001, NABL accreditation, ZDHC Certification, GMP Certification

Technical Support

Rossari provides excellent technical support, having set up "State of the Art" facilities for development research at **Rossari Centre of Excellence at IIT Mumbai** for improving manufacturing processes, continuous product innovation and provides reliable technical services to its customers. Staffed by highly qualified personnel, whose collective expertise fulfils the diverse customer requirement. Rossari can proudly claim to have one of the best technical support and service teams dedicated to serving the customers and providing complete solutions.

BOILER CHEMICALS

Treating boiler feed water is essential for both high and low-pressure boilers. To ensure that such boiler systems are correctly maintained and operate at optimum efficiency it is essential that the correct boiler water conditions are maintained at all times.

Implementing correct treatment before problems like scaling, and corrosion occur, will help in avoiding excessive fuel bills, costly tube replacement replacements, Boiler downtime and associated production loss.

PRODUCT NAME	CATEGORY	DESCRIPTIONS
ROSSTREAT 215 A LIQUID	Antiscalent	Prevent precipitation of crystallized mineral salts that form scales inside boilers. Effectively controls Calcium Carbonate scale etc..
ROSSTREAT 215 C LIQUID	Scale & Corrosion Inhibitor	Prevent precipitation of crystallized mineral salts that form scales inside boilers. Effectively controls corrosion & scale.
ROSSTREAT 215 S LIQUID	Oxygen Scavenger	This product rapidly reacts with oxygen ensuring protection of feedlines, economisers and boilers from oxygen corrosion and is suitable for low pressure boilers.
ROSSTREAT 215 SP POWDER	Oxygen Scavenger	Cost effective catalysed product for fast oxygen removal from Boiler Feed water thus providing protection to low pressure Boiler feed water,economiser and Boiler.
ROSSTREAT 215 HZ LIQUID	Oxygen Scavenger	Provides protection from oxygen corrosion together with feed water, economiser and boiler system passivation. Does not add TDS
ROSSTREAT 215 CZ LIQUID	Oxygen Scavenger	Provides outstanding protection from oxygen corrosion together with excellent system passivation. Is a safer replacement for Hydrazine. Does not add TDS.
ROSSTREAT 215 SL LIQUID	Sludge Conditioner	Synthetic polymer designed to produce light,non adherent finely divided particles; which are easily removed via blow down. It delays the precipitation of hardness salts.
ROSSTREAT 215 P LIQUID	pH Booster	Liquid alkaline formulation, used as alkalinity source for boiler feed water and boosting RO permeate water. It controls pH and alkalinity levels in boiler water.
ROSSTREAT 215 PH POWDER	Scale & Corrosion Inhibitor	Tailored product to maintain PO4 and pH ratio in high Pressure Boiler. Effective in scale prevention and maintaining Alkalinity in Low pressure Boilers.
ROSSTREAT 215 V LIQUID	Condensate Treatment	This product is used to neutralize acidic condensate thus protecting equipment and the steam pipe network from corrosion. It is a combination of multiple amines.
ROSSTREAT 215 SC LIQUID	Condensate Treatment	Cost effective Condensate pH builder .Protect condensate system against CO2 attack. Copper Metallurgy to be avoided.

COOLING WATER CHEMICALS

Principal Problems in Cooling Water Systems are.

Corrosion: Corrosion in cooling water systems can cause poor heat transfer, flow restrictions, heat exchanger tube failure and consequent plant downtime.

Scale: Scale deposit in heat exchanger reduces the efficiency of heat transfer and thereby impacting the production and quality of product.

Microbiological: Most common microbial growth is formation of Biofilm on heat exchanging surfaces. If uncontrolled, such films severely retards heat transfer rate, which adversely affect equipment performance, promote metal corrosion. Other microbial concern are acid forming bacteria which can lead to pin holes in pipelines, resulting in pipe replacement and in some cases plant shut down. With proper chemical selection and its application all these problems can be solved. Trust Rossari to help you overcome your challenge.

PRODUCT NAME	CATEGORY	DESCRIPTIONS
ROSSTREAT 225 H LIQUID	Corrosion Inhibitor	Mild steel corrosion inhibitor that provides anodic and cathodic protection to equipment's in open recirculating cooling water systems.
ROSSTREAT 225 PM LIQUID	Scale Dispersant	Scale inhibitor that effectively control CaCO ₃ etc scale using Threshold scale inhibition mechanism in open recirculating cooling water systems.
ROSSTREAT 215 PZ LIQUID	Scale & Corrosion Inhibitor	Single drum Phosphate free product. Effective Scale and corrosion inhibitor for MS and Copper used for industrial open recirculating cooling water systems.
ROSSTREAT 225 SI	Scale Inhibitor	Scale inhibitor that effectively control CaCO ₃ etc scale using Threshold scale inhibition mechanism in open recirculating cooling water systems.
ROSSTREAT 225 MF	Scale & Corrosion Inhibitor	Ideal for commercial building and Industrial cooling system for complete protection of HVAC condenser against scale and corrosion.
ROSSTREAT 225 CL	Corr. Inhibitor-Closed loop	Closed loop Corrosion inhibitor for chilled water, Hot water etc. It maintains required pH in the loop and protects MS and Cu Metallurgy.
ROSSBIO 225 G LIQUID	Non-Oxidizing Biocide	Fast acting biocide, effective in controlling SRB, Legionella and Biofilm in cooling water systems, air washers, pasteurizers, and other recirculating water systems.
ROSSBIO 225 BT LIQUID	Non-Oxidizing Biocide	Effective Bactericide, Algaecide and Fungicide in water cooling towers, air washers, pasteurizers, and other recirculating water systems. Works well between pH 6-9.
ROSSBIO 225 DN LIQUID / ROSSBIO 225 DNT LIQUID	Non-Oxidizing Biocide	Fast acting biocide effective in controlling bacteria in Cooling water, air washers, pasteurizers, and other recirculating water systems.
ROSSBIO 225 B LIQUID	Non-Oxidizing Biocide	Effective Bactericide and Algaecide in water cooling towers, air washers, pasteurizers, and other recirculating water systems. Works well between pH 6.5-8.5 .
ROSSTREAT 225 ED LIQUID	Bio dispersant	This product dislodges slime formation from Heat Exchanger thus keeping heat transfer surfaces clean. It improves the performance of oxidizing & non-oxidizing biocides
ROSSTREAT 225 HR LIQUID	Alkalinity Reducer	This chemical help in reduction of Alkalinity in Cooling Water. It is also useful in cleaning the tubes during the start-up of new system to remove iron particles etc.



RO CHEMICALS

Reverse Osmosis (RO) is a water purification methodology that removes ions from Brackish and Sea water using a semipermeable membrane. RO membranes provide a cost-effective water reuse solution for wastewater reclamation at facilities. RO systems must be well maintained to ensure good performance without any fouling and scaling and maximising the output of water and life of membranes. The performance of RO membrane and plant performance can be enhanced with the careful selection and application of advanced treatment chemicals designed specifically for such harsh waters.

PRODUCT NAME	CATEGORY	DESCRIPTIONS
ROSSTREAT 235 CA LIQUID	Membrane Cleaner	Safe organic acid cleaner for removal of mineral scales from membrane
Rosstreat 235 NO Liquid	Membrane Cleaner	Effective alkaline cleaner for removal of biofilm and organic foulants from membranes.
ROSSBIO 235 BT LIQUID	Biocide-Non Oxidizing	Non-oxidizing biocide that is highly effective in removal of slime from membrane and its components. Not suitable for on line disinfection.
ROSSBIO 235 BN LIQUID	Biocide-Non Oxidizing	Fast acting Non oxidizing Biocide for quick action on microbes- Reducing RO down time.
ROSSTREAT 225 HR LIQUID	Alkalinity Reducer	This product is used to reduce excess alkalinity in the RO feed water to prevent scale in membranes & maintain product flow as per design.
ROSSTREAT 235 RC LIQUID	Membrane Cleaner	Dispersants for RO water systems. Effectively controls fouling caused by settleable solids.
ROSSTREAT 235 AS LIQUID	Membrane Antiscalant	Membrane Antiscalant effectively controls Scale and fouling in a variety of water sources, including brackish, waste and seawater.
ROSSTREAT 235 LA LIQUID	Membrane Antiscalant	General Purpose Membrane Antiscalant effective in controlling Scale and fouling caused by common brackish and waste water.
ROSSTREAT 235 MA LIQUID	Membrane Antiscalant	Specific RO Anti-Antiscalant for High Silica feed water. Very effective in controlling the deposition of inorganic scales and metal oxides.

WASTE WATER TREATMENT

ETP (Effluent Treatment Plant) is a process for treating the industrial waste water for its reuse or safe disposal to the environment. The effluent generated from different sections of a industry must be treated before they are discharged to the environment. Various types of Coagulants and Flocculants are used for solid liquid separation in ETP.

The purpose of Sludge Dewatering is to reduce sludge volume by removing as much water as possible from the sludge to minimize its disposal cost. Dewatering processes potentially remove both the free water and a proportion of the interstitial (or floc) water present in sludge. Med. to High molecular Flocculants are used for this purposes.

PRODUCT NAME	CATEGORY	DESCRIPTIONS
ROSSCLEAR 245 PA 50 LIQUID	Organic Coagulant	Polyamine based Coagulants which offers superior performance characteristics and are ideal for industrial effluent treatment including coloured waste waters.
ROSSCLEAR 245 DD LIQUID	Organic Coagulant	This Coagulant offer superior performance characteristics and is ideal for raw water and industrial effluent treatment. This help to reduce sludge load.
ROSSCLEAR 245 CR LIQUID	Colour Removal	Organic colour removal chemical which performs well in industrial coloured effluent like Textile mills, Paper mill etc. offering benefits of less sludge generation compare to conventional lime and FeSO_4 treatment for small mills.
ROSSCLEAR 245 CB LIQUID	Organic Coagulant	Proprietary Coagulant formulation which offers superior performance characteristics and is ideal for industrial effluent treatment. This help to reduce the sludge load.
ROSSCLEAR 245 RY LIQUID	Colour Removal	Organic Colour removal chemical which performs well in variety of industrial coloured effluent like Textile mills, Paper mill etc. offering superior performance compare to conventional treatment.
ROSSFLOC 245 AHC POWDER	Flocculant	Anionic Flocculant used to separate suspended solids in Primary clarification process and Sludge Dewatering.
ROSSFLOC 245 AHM POWDER	Flocculant	Anionic Flocculant used to separate suspended solids in Primary clarification process and Sludge De-watering.
ROSSFLOC 245 ALC POWDER	Flocculant	Anionic Flocculant designed specially for small primary clarification and dewatering systems.
ROSSFLOC 245 CLC POWDER	Flocculant	Cationic Flocculant used to separate suspended solids in Primary & Secondary clarification process and Sludge De-watering.
ROSSFLOC 245 CHC POWDER	Flocculant	Cationic Flocculant used to separate suspended solids in Primary & Secondary clarification process and Sludge Dewatering.
ROSSFLOC 245 CLL POWDER	Flocculant	Cationic Flocculant used to separate suspended solids in Primary & Secondary clarification process and Sludge Dewatering for smaller systems.
NOFOAM ETD LIQUID	Defoamer	This product an effective antifoam solution for waste water treatment applications, help to minimise foam formation.



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