



# **BIOKRISHI TECHNOLOGIES PRIVATE LIMITED**

## **COMPANY PROFILE**

**PIONEERS IN DEVELOPMENT, MANUFACTURING,  
SUPPLIER & EXPORTER OF INDUSTRIAL WATER &  
WASTE WATER TREATMENT, BIOREFINERY  
CHEMICALS AS WELL AS ALLIED SERVICES &  
SOLUTIONS PROVIDER**



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# COMPANY OVERVIEW

## About Us

We have been, Manufacturing & Supplying Chemicals and Services/Solutions for Biorefinery & industrial water treatment, within the group, we have engineers, chemists, technicians, and field personnel who can ensure accurate dosing and remarkable results of our chemicals on the field. We have our own manufacturing, laboratory and godown to ensure both quality products and services along with dependable logistics.

## Our Mission

We shall endeavour to always be the market leaders, by bringing forth to our customers the best and the latest, cutting-edge technologies and products, in the field of biorefinery , water and wastewater treatment and recycling. We shall always deliver to our customers outperforming products with outstanding service.

We shall always remain committed to the paradigm that unless the results are measurable, the solutions cannot be trusted, and deliver products and solutions that are sustainable, not just environmentally but economically also.

We shall always measure our success based on the amount of money we have saved for our customers rather than the amount of money we have earned from them.

## Why Choose Us

With over 30 years of combined on field experience of top management in tackling and solving problems related to water and wastewater treatment, we have extended our scope of services to, not just supply of chemicals but also, to allied services to help our customers identify the right chemicals at the optimum dosages. Bio-Teck Chemicals has created a niche for itself in the field of biorefinery , water and effluent treatment, by offering customised products to our clients, as per the requirements of their water, utility, and effluent management systems.



# OUR PROCESS



## Our Trust

Trust remains at the core of all our relationships with our clients. Over the years we have built a strong foundation of trust in our relationships with our clients, who have come to trust our product and solutions based on their experience with us.

The solutions we offer are not just targeted to achieve the desired results, we believe in documenting and measuring all process parameters that finally lead to the success of our chemical programs. Our chemical management programs are built on the principle: “What cannot be measured, cannot be controlled or trusted “.

A vendor with whom you can work as a partner with total trust. Honesty and transparency in operations is our objective. Direct commercial benefit, assured quality and the latest technology. Flexibility, honesty, and commercial transparency.

## Our Sustainability

Sustainability remains at the core of our relationship with our customers, we offer solutions that are not just environmentally sustainable but also economically feasible.

We are focused diligently on biorefinery , water recycling and cost reduction of the whole water and effluent treatment process.

We have over the years built, Strong and Trusted partnerships not just with our clients but also with our partners, investors, vendors, and technology suppliers.

## Our Technical Expertise

With years of experience in chemistries related to biorefinery ,water and effluent treatment, we strive relentlessly to give our customers the most innovative and cutting-edge technologies in the field of water and effluent treatment.

We have the best dewatering polymer chemistries, that give the lowest moisture in dewater sludge, thereby reducing the cost of sludge disposal. Our MEE Antiscalants is designed to retard scale formation and create soft scales, allowing longer production cycles and lower down time for water jet cleaning and scale removal.

We provide comprehensive biorefinery enzymes , yeast nutrients & antibacterial solutions backed with in depth expertise and extensive services. The success of any chemical treatment program depends on its right application and swift response to system demands and upsets.

# WATER AND WASTEWATER SOLUTIONS



## RO MEMBRANE ANTISCALANTS & CLEANERS

Our formulations based on modern polymers help to greatly reduce deposits, impurities, and scale in your system's membranes. Our extensive range of formulated Antiscalants, Antifoulants and Cleaners are specially designed chemicals that keep these contaminants from attaching to the membrane surface. They also prove economical in the long run

## RO ANTISCALANTS AND CLEANERS

- **ACIDIC CLEANERS** • **ALKALINE CLEANERS**
- **BIOFOULING/BIOFIRM CLEANERS**

The use of RO Antiscalants and RO Cleaning Chemicals provides longer run times and extended membrane element life, resulting in reduced operating and capital costs.



## BOILER WATER TREATMENT CHEMICALS

We offer array of superior chemistries and services to meet most stringent boiler water needs. Our comprehensive range of high-performance formulations have been scientifically formulated to deliver significant operational benefits and performance improvements. Our extensive range of formulated boiler water treatment chemicals help to minimize scale formation, metallic corrosion, and sludge deposition. This helps to increase efficiency, reduce fuel consumption, decrease operating and maintenance costs, and extend equipment life.

- **MULTIPURPOSE SCALES, CORROSION INHIBITORS**
- **SLUDGE CONDITIONERS** • **SOFTENING AGENTS**
- **OXYGEN SCAVENGERS** • **NEUTRALIZING AMINES**
- **ALKALINITY/PH BUILDERS**





# WATER AND WASTEWATER SOLUTIONS



## COOLING TOWER & CHILLER WATER TREATMENT CHEMICALS

Our comprehensive range of high-performance cooling water treatment chemicals have been scientifically formulated to deliver significant operational benefits and performance improvements to cooling systems that use water as a primary coolant. Our wide range of formulations help to minimize scale, corrosion, fouling and biofouling to ensure trouble free operation of the system.

- **MULTIPURPOSE SCALE, CORROSION INHIBITOR AND DISPERSANTS**
- **SCALE & CORROSION INHIBITORS**
- **POLYMERIC DISPERSANTS**
- **BIODISPERSANTS**
- **BIOCIDES**
- **ON-LINE CLEANERS**



## SUGAR PROCESS CHEMICALS

Our comprehensive range of high-performance chemicals have been scientifically formulated to deliver significant operational benefits and economize the production process. Use of these chemicals helps the sugar process unit for a trouble-free run and achieving maximum recovery of sugar from cane.

- **MILL SANITATION COMPOUNDS**
- **EVAPORATOR ANTISCALANT**
- **VISCOSITY REDUCER**
- **FLOCCULANTS (JUICE CLARIFICATION)**
- **SCALE SOFTENERS**
- **SUGAR ENZYMES**



# WATER AND WASTEWATER SOLUTIONS



## POLYELECTROLYTES

A wide range of Non-Ionic/Cationic/Anionic, medium and high molecular weight polymers are available for use in waste water treatment, coagulation and flocculation to separate suspended solids from water. Our long-chain polymer flocculants, such as modified Polyacrylamide, are supplied in dry, liquid or emulsion form for use in the flocculation process

Polyelectrolytes are primarily used in Primary, Secondary, and Tertiary Clarification Process, High Shear Applications, such as Centrifuges, DAF, thickening, and organic sludge dewatering in wastewater treatment plants. Polyelectrolyte supplied by us typically demonstrate the following features:





## OTHER SPECIALITY CHEMICALS & SERVICES

### MEE ANTISCALANTS

Antiscalants are used to retard scale formation and antifoaming agents are used to retard foaming in MEE Plants, this ensures consistent performance of the MEE Plant and reduces cleaning frequency and condensate quality issues.

### DEFOAMERS

We provide a complete range of defoamers for different industries such as Adhesive, Agriculture, and Bitumen, Construction, Dyes & Pigments, Emulsion polymerization, Oilfield & petroleum, Paper & Pulp Sugar, Soaps & Detergents, Waste water Treatment

### FIRESIDE FUEL ADDITIVES

A fireside fuel additive plays an important role in complete combustion of fuel along with a control on corrosion deposits, slagging clinker formation, reduction in air borne pollution emission as well as inhibition of fouling.

### MULTIPURPOSE SOLID & LIQUID FUEL ADDITIVE

Our Multipurpose Solid Fuel Additive is a free-flowing powder designed primarily for treating coal, wood, and other solid fuels. It acts as combustion catalyst resulting in improved combustion efficiency..Our chemical compound is a perfect blend of combustion aid chemicals in the form of liquid/powder canister for fireside cleaning of furnace. It also comprises of combustion catalyst, oxidizing chemicals, dispersants, and corrosion inhibitors.

### DEOILERS/DEIMULSIFIERS:

Our Deoiler chemicals are applied dependant on whether water is discharged directly overboard or whether the produced water is collected in slop tanks prior to discharge. These Deoiler are uniform liquids free from visible impurities and are soluble in water in all proportions. They separate two liquids having different specific gravities.

### COLOUR REMOVAL AIDS:

Our colour removal polymers are effective in removing such colouring matters from effluents. With an objective to serve clients in the best possible manner, we are engrossed in providing top notch grade colour removal chemicals. These chemicals are widely used in textile, paper, and other related industries for removing the colour from items.



## CHLORINE DIOXIDE GENERATOR & CHEMICAL DOSING SYSTEMS

### CHLORINE DIOXIDE (CLO<sub>2</sub>) – BIO-CLOROX

Chlorine dioxide is an extremely reactive gas, and because of its instability, cannot be stored. It must only be produced in the required quantities in special generators on the site where it is used. Chlorine dioxide offers several advantages when compared with chlorine for water disinfection.

#### ADVANTAGES OF CHLORINE DIOXIDE (CLO<sub>2</sub>):

- Disinfection power is independent of pH.
- High residual effect thanks to long-term stability in the pipeline system.
- Reduction of the biofilm in pipelines and tanks, hence reliable protection of entire water systems against legionella contamination.
- No reaction with ammonia or ammonium.
- No formation of chlorophenols and other intense odour compounds which can be produced in water chlorination



#### ALLIED SERVICES & SOLUTIONS SUPPORT

Bio-Teck offers innovative monitoring and control technology, in-house services, safety practices, asset protection, and stringent quality control to optimize chemical usage and mitigate risks. They help reduce water-borne pathogens, reduce costs, and improve efficiency, ensuring profitability and extended equipment lifespan.

- WATER & SYSTEM AUDIT/SURVEY
- OPTIMUM PROGRAM SELECTION & PRODUCT RECOMMENDATIONS
- APPLICATION & MONITORING SUPPORT
- TROUBLE SHOOTING WITH OPERATOR TRAINING
- TREATMENT REVIEW & AUDIT
- WATER AND ENERGY AUDIT
- SYSTEM SURVEY & AUDITS
- ANNUAL MAINTENANCE CONTRACTS
- SUPPLY OF WTP SPARES ETC
- REGULAR TECHNICAL SUPPORT/SERVICES
- WATER AND SCALE ANALYSIS
- REGULAR AND PERIODIC TECHNICAL AUDITS AND REVIEW OF SYSTEMS AND SUGGEST PROGRAMS
- OPERATORS TRAINING & SUPPORT





## BIOREFINERY PRODUCTS

### ETHANOL FERMENTATION EFFICIENCY BOOSTER

A unique mix of enzymes was used to create the enzyme composition. It was developed with the goal of increasing alcohol production and cane molasses / syrup / grain fermentation process recovery. Additionally, it contains substances that assist to control a wide range of lactic acid bacteria in the fuel ethanol manufacturing process and help to reduce the acid formation.

### CONDENSATE AND SPENT WASH RECYCLING PRODUCTS

Unique liquid enzyme blend designed for use in molasses-based distilleries where wastewater is recycled and reused during the fermentation process. Recycled water also carries a specific microflora that thrives in such environments and grows fast in fermenters. A unique mix of enzymes is created to regulate harmful bacteria.

### YEAST NUTRIENTS FOR ETHANOL FERMENTATION

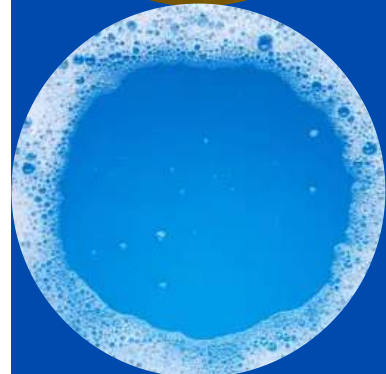
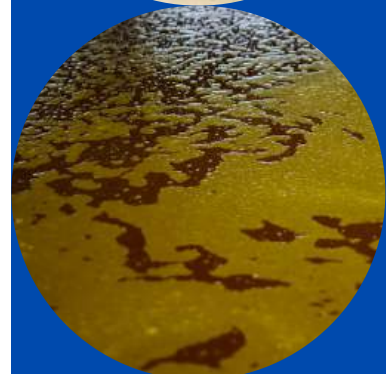
A unique vitamins and essential nutrients blend designed for use in Molasses / syrup-based distilleries where Superfood for your yeast cultures to help them develop, proliferate, and produce faster without mutations or stress, allowing it to produce more alcohol and accelerate fermentation under stressful condition.

### MOLASSES PRESERVATION PRODUCTS

A unique liquid enzyme blend designed for use in molasses-based distilleries where molasses is preserved in storage tank for long period of time. With our support, you can safeguard your production and maximize your yields. It helps to reduce the formation of microbial contamination and their acid formation during the molasses storage hence reduces the sugar deterioration.

### DEFOAMER / ANTIFOAM

The use of defoamer/antifoam is crucial in this process to control and minimize foam formation, ensuring smooth and efficient operations. Our team had been exploring why defoamer/antifoam is essential for molasses/syrup/grain ferment ethanol, how to choose the right antifoam, and why antifoam is recommended. By understanding the importance of defoamer/antifoam and selecting the right product, producers can achieve better results and maintain high-quality standards in ethanol production.



## Our Clients



PRIYADARSHINI  
SHETKARI SSK LTD

PIONEER



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