

UD CHEMICAL SERVICE



Chemical Service

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WATER QUALITY



STORE



LABORATORIES



CERTIFICATE



National Accreditation Board for Testing and Calibration Laboratories

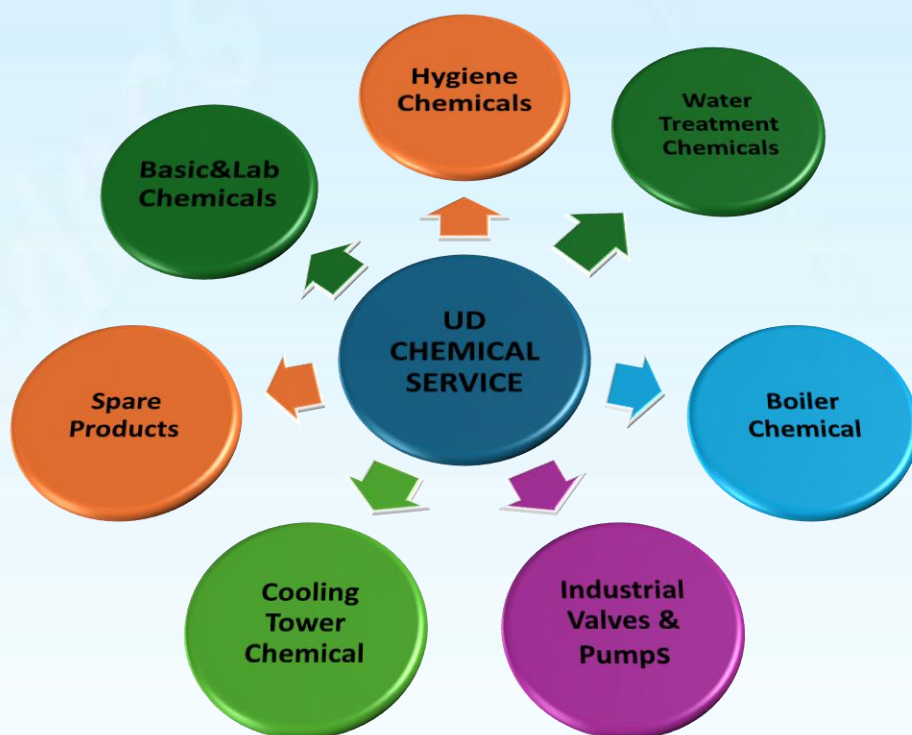
CERTIFICATE OF ACCREDITATION

UD CHEMICAL SERVICE is a professional trusted chemical company. Providing cleaning, hygiene, and infection prevention solutions, including chemicals, equipment, and services, for various industries like hospitality, healthcare, pharma industries and food service. We offer a broad range of products, for disinfectants and floor care to water management, aiming to improve efficiency and promote healthier environments. Apart from this with over the high experience & technical knowledge in the field of water treatment chemicals, boiler chemicals, wastewater treatment chemicals, hygiene chemicals, commodity chemicals, spares business, etc.

Thank you for considering **UD CHEMICAL SERVICE** as a potential partner. We look forward to the opportunity to serve you and contribute to the well-being of you.



BUSINESS DIVISIONS



Britacel Healthcare Limited.

is Authorized channel partner for the

range of cleaning & hygiene chemicals.

For Across India

UD CHEMICAL SERVICE.



Wex Technologies Pvt. Ltd.

is Authorized channel partner for the

range of cooling tower, boiler water treatment chemicals.

For Goa Region



Chemical Service

UD CHEMICAL SERVICE.

Products & Services: Offers integrated solutions including. Cooling tower chemical, boiler chemical, commodity chemical, cleaning chemicals, laundry chemicals, floor care machines, hygiene supplies, food safety services.

Industries Served: Sports, hospitality, healthcare, food & beverage, retail, Commercial Laundries, pharmaceuticals and facility management.

LAUNDRY CHEMICAL



- ✓ Laundry Detergent
- ✓ Laundry Emulsifier
- ✓ Alkaline Booster
- ✓ Laundry Softener
- ✓ Laundry Neutralizer
- ✓ Laundry Oxy bleach
- ✓ Laundry Chlorine Bleach
- ✓ Rust Remover

- **Garmico D Laundry Detergents:** The main cleaning agent. Liquid detergents dissolve quickly and are better for oil stains, while powder detergents are often more effective on mud or clay.
- **Garmico E Emulsifier** is a chemical additive used alongside regular detergent to break down and remove stubborn oil, grease, and fat-based stains. While standard detergents handle general dirt and protein stains, emulsifiers specifically target heavy soils like mineral oils, food grease, and body oils.
- **Bleaches and De 'stainers:** Used for whitening and sanitizing. Chlorine bleach is a powerful whitener but can damage delicate or coloured fabrics. Oxygen bleach (like sodium percarbonate) is a safer, color-safe alternative.
- **Fabric Softeners:** These condition fibers to reduce static, minimize wrinkles, and add a pleasant scent.
- **Industrial Boosters:** Specialized chemicals like alkaline builders help detergents work better in hard water, while emulsifiers target heavy oils and fats found in kitchen or industrial uniforms.
- **Neutralizers:** Applied in the final rinse to restore the proper pH to fabrics, preventing skin irritation and removing residual minerals that cause yellowing.

HOUSEKEEPING CHEMICAL



- ✓ Floor Cleaner
- ✓ Multipurpose Cleaner
- ✓ Bathroom F Cleaner
- ✓ Glass Cleaner
- ✓ Toilet Bowl Cleaner
- ✓ Air Freshener
- ✓ Hand Wash
- ✓ Descaler steel polish
- ✓ Rust Remover
- ✓ Carpet Cleaner
- ✓ Hand Sanitizer
- ✓ Wood Polish
- ✓ Oil & Grease Remover
- ✓ Drain Declogger
- ✓ More.....

Housekeeping chemicals are specialized cleaning agents designed to maintain hygiene, remove stubborn dirt, and ensure safety in residential, commercial, and industrial spaces. In professional settings like hotels, these chemicals are often categorized by a standard coding system (such as) to ensure staff use the correct product for specific surfaces like glass, wood, or bathroom tiles.

KITCHEN CHEMICAL



- ✓ Manual Dishwash
- ✓ Britacel Hand Wash
- ✓ Grill Cleaner
- ✓ Oil & Grese Remover
- ✓ Kitchen Descaler
- ✓ Kitchen Rust Remover
- ✓ Stainless Steel Polish
- ✓ Vegetable & Fruit Wash
- ✓ Disinfectant Kitchen Cleaner
- ✓ Kitchen Washing Agent
- ✓ Kitchen Rins Aid
- ✓ Kitchen Multipurpose Cleaner
- ✓ More.....

Kitchen chemicals are primarily formulated to handle specific hygiene tasks like degreasing, disinfecting, and descaling. Most modern kitchens rely on alkaline cleaners (pH 8–14) to emulsify organic waste like fats and oils, and acidic cleaners (pH 0–6) to dissolve mineral deposits like limescale.

WATER TREATMENT CHEMICAL



- ✓ Anti-scalent
- ✓ Corrosion Inhibitor
- ✓ Scale & Corrosion Inhibitor
- ✓ Bio-dispersant
- ✓ Dispersant (MPY) F & NF
- ✓ Oxidizing Biocide
- ✓ Non-Oxidizing Biocide
- ✓ QTR. Ammonium Compound
- ✓ Nitrite
- ✓ Nitrite Borate
- ✓ CLO₂
- ✓ Tower Track Online dosing.
- ✓ Online Dashboard System.
- ✓ More.....

Chiller plant is a centralized cooling system that removes heat from a liquid—typically water or a water-glycol mixture—using a refrigeration cycle. This chilled liquid is then circulated through a building or industrial process to maintain precise temperatures for machinery, products, or occupant comfort.

cooling tower is a specialized heat removal device used to dissipate waste heat into the atmosphere, primarily through the process of evaporative cooling. It functions as a large-scale heat exchanger, bringing hot water into contact with cooler air to lower the water's temperature so it can be recirculated and reused in industrial processes or HVAC systems.

BOILER WATER CHEMICAL



- ✓ Anti-sclent (Scale & Corrosion Inhibitor)
- ✓ Oxygen Scavenger
- ✓ pH Booster
- ✓ Neutralizing Amine
- ✓ More.....

Boiler water treatment is the process of removing or neutralizing impurities in feedwater to ensure safe, efficient, and long-lasting operation. Without proper treatment, industrial and residential boilers are prone to scaling (mineral buildup that blocks heat), corrosion (metal degradation from oxygen or acidity), and carryover (water impurities escaping into steam lines).

POLY

Poly Electrolyte Cationic Powder



Poly Electrolyte Anionic Powder



Poly- Water treatment, food processing, cosmetics and pharmaceutical delivery.

Benefits in water treatment flocculation.

Polyelectrolytes, especially cationic polyelectrolytes, are effectively used for flocculation in wastewater treatment. They flocculate impurities in water to bring together suspended solids and remove them, thereby making the water clean.

COMMODITY CHEMICALS



Commodity chemicals, or bulk chemicals, are standardized, high-volume, and relatively low-cost substances produced in large quantities for varied industrial applications.

Here is an overview of commodity chemical acids, PAC, Hypo, and related items based on standard industrial use.

PAC – Polyaluminium Chloride PAC is a widely used coagulant in water treatment for removing impurities from drinking water and wastewater.

Nitric Acid -A strong oxidizing agent used primarily in fertilizer production and metal etching

HYPO - Sodium Hypochlorite (NaOCl)

Commonly known as bleach or simply "Hypo," this is an alkaline green-yellow liquid used for disinfection

FILTER MEDIA

Filter Media

a common filtration material used in water treatment systems to remove suspended solids and impurities.

They are effective in removing suspended solids, turbidity and other contaminants from water. They can be used for a wide range of flow rates and particle sizes. They can be easily backwashed to clean the filter media and restore filtration efficiency.



SOFTENER RESIN



Ion Exchange Resin

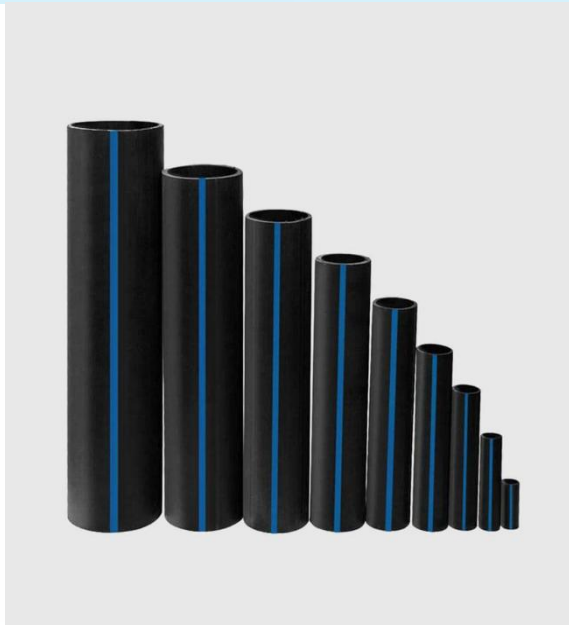


Doshion Resin

Why Resin is used in the Water.

Resin is used in water treatment, primarily for removing contaminants and softening water through a process called ion exchange. Ion exchange resins, typically made of synthetic polymers, have the ability to exchange ions with dissolved substances in water, effectively removing unwanted ions like calcium, magnesium, and other impurities. This process is crucial for producing potable water, preventing scaling in pipes, and improving the efficiency of water-using systems.

PIPE & FITTINGS





Astral offers a wide range of pipes and fittings made from various types of materials, primarily focusing on pvc and cpvc, each designed for specific applications.

PVC (Polyvinyl Chloride) Fittings: These fittings are suitable for diverse applications like plumbing, drainage, sewage systems, irrigation, and industrial uses. Astral, Finolex pipes states that Finolex pvc pipes are made from high-grade pvc resin and advanced extrusion machines, ensuring durability and performance.

HDPE (High-Density Polyethylene) pipe is a flexible, durable plastic piping system used primarily for transporting liquids and gases. It is highly favored in modern infrastructure because it does not rust or corrode like metal and is significantly lighter than concrete

MEMBRANE



Reverse Osmosis (RO) membranes are essential components in water purification, acting as a semi-permeable barrier that removes a wide range of impurities from water by forcing it under pressure through the membrane.

The most common application of RO membranes is in household and commercial water purifiers, providing clean and safe drinking water by removing dissolved solids, salts, heavy metals (like lead and mercury), chemicals (like chlorine), bacteria, viruses, and other contaminants.

MULTIPORT VALVE



A multiport valve, often simply called a "multiport," is a crucial component in many water treatment systems,

What is it ? A valve with multiple ports that control the direction of water flow within a system.

It typically has a lever handle that allows you to switch between various functions, like filtering, backwashing, rinsing, recirculating, and more.

It directs water through different pathways to perform specific tasks within the filter system.



DOSING PUMP



Dosing pumps, also known as metering pumps or chemical feed pumps, are positive displacement pumps designed to accurately inject specific amounts of liquids or chemicals into a system. They are vital in various industries where precise fluid addition is necessary for accuracy, efficiency, and safety.



INDUSTRIAL PUMP

Dosing pumps operate by drawing a set volume of liquid into a chamber and then dispensing it into the system. The flow rate is typically adjusted by changing the motor speed and stroke length. Check valves prevent backflow, ensuring unidirectional fluid movement.

INDUSTRIAL VALVE



Industrial valves are essential mechanical devices used across various industries to control, regulate, or direct the flow of liquids, gases, and slurries within pipes and systems. They act as crucial components for ensuring the safe and efficient operation of industrial processes.

Ball Valves: Use a rotating spherical ball with a hole to control flow. They offer fast, tight shut-off and are highly durable for high-pressure and high-temperature gas or liquid services.

Gate Valves: Designed for on/off service, these lift a gate or wedge out of the fluid path. They provide minimal pressure drop when fully open but are not suitable for throttling.

Butterfly Valves: Consist of a rotating disc on a shaft. They are compact, lightweight, and cost-effective for large-diameter pipelines, often used in water supply and wastewater treatment.

Globe Valves: Use a movable disc that moves perpendicular to the seat to regulate flow. They are ideal for precise throttling applications where pressure management is crucial.

Check Valves: Also known as non-return valves, they allow flow in only one direction to automatically prevent backflow that could damage equipment like pumps or compressors.

Plug Valves: Utilize a cylindrical or tapered plug to start or stop flow. They are reliable for handling slurries and corrosive media.

Needle Valves: Feature a slender, tapered point for extremely fine flow regulation, commonly used in instrumentation systems.



THANK YOU.....!

YOUR PARTNER FOR COMPLETE

ENGINEERING & WATER

MANAGEMENT ...



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