



Chemical
Technology
Xperts



Product Portfolio
2020

1970

Five decades in the
chemical industry

24,000+

Clients served globally

600+

High performance
chemicals



Xperience

Chemtex acquires a vast experience of nearly five decades, with research and development, production and supply of speciality chemicals. This outreach enables us in getting a considerable market share with better support to our valued customers.



Xcellence

Knowledge and innovation in speciality chemicals has helped Chemtex achieve market leadership. With more than 600 high performance chemicals and over 3000 variants, we are able to extend expert technical advice to mitigate crisis.



Xpertise

Excellence perfectly explains our success story. With over 24000 clients worldwide, the company has been on a steady growth curve. Chemtex is, to many, chemical technology par excellence.

Certifications & Approval





From the Chairman's Desk

The name Chemtex depicts Chemical Technology Experts. Over the past 49 years, Chemtex has come a long way in contributing to the speciality chemicals requirements of Asian subcontinent. Our recent expansion into newer geographies reinforces our aim to become a truly global player in the speciality chemicals space. As a company we are committed to the social and economic progress of the countries we enter in. Our rapid growth in the recent years is leading the company to a promising future.

Our vast range of chemicals cater to various industrial sectors. It is appropriate to say

‘there is a bit of Chemtex for every industry.’

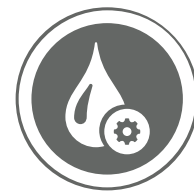
R.G. Karnani
Founder Chairman

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Water Treatment Chemicals

for Boilers, Cooling Towers, RO, Potable, Effluent Treatment, Desalination



Water treatment incorporates the use of superior grade chemicals for boilers, cooling towers and closed circuit systems, wastewater and effluents, RO systems, collectively regarded as processes that aid in making water more acceptable for its desired end use, that may include industrial, drinking, institutional, or municipal



Polyelectrolytes (Flocculants & Coagulants)

Polyelectrolytes are organic polymers based on polyacrylamides of various molecular weight and ionic charge that finds application in Flocculation, Sludge Dewatering, Paper Making, Sugar Juice Clarification, deo settling, dissolved air floatation etc. in following industries:

Pulp & Paper
Sewage Treatment
Sugar Processing
Mining & Metallurgy
ETP/ CETP

Fertilizers
Cement
Ceramics
Coal Washery
Potable Water

Process Industries
Petroleum
Pharmaceuticals
Iron Ore Processing
etc

■ Cationic Polyacrylamide

ALSTAFLOC 155 / ALSTAFLOC 155X Medium and high molecular weight cationic polyelectrolyte for dewatering of organic sludge from pharma and biotech wastes, papermaking, mechanical industry, municipal effluents

ALSTAFLOC 155XX Paper retention aid and organic waste separation in food, dairy and pharma

ALSTAFLOC 150 DWPE (Dewatering Polyelectrolyte) for solid liquid separation process. Finds use in water clarification, dissolved air floatation, thickening

ALSTAFLOC 150L Liquid DWPE Cationic polymer

■ Nonionic Polyacrylamide

ALSTAFLOC 50 Non-ionic polyelectrolyte powder finds use in paper industry in Kraft plant and ZLD.

■ Anionic Polyelectrolyte (APAM)

ALSTAFLOC 934 / ALSTAFLOC 60 / ALSTAFLOC 40 Powder PAM of low and medium molecular weight for direct filtration processes for settling of inorganic suspended solids, effluent water treatment for municipal, agrofoodstuff, dyeing industries

ALSTAFLOC 107 / ALSTAFLOC 108 Anionic polyacrylamide of high and ultra high molecular weight for settling of inorganic suspended solids in chemical, food industry, textiles, mining, oil drilling, papermaking industries

ALSTAFLOC 934L Anionic polyacrylamide in liquid formulation for settling of inorganic suspended solids for papermaking, chemical and mechanical industry, and treatment of wastewater from municipal and textile industries

■ Inorganic Polymer

PAC (Poly Aluminum Chloride) Powder and Liquid for primary coagulation of wastewater, ETP and paper

■ Organic Polymers

ALSTAFLOC PD PolyDADMAC based primary organic coagulant and charge neutralizer

ALSTAFLOC DC90 Quaternary Polymer for colour removal in textiles, paper and pulp industries

ALSTAFLOC T Organic polymers with two or more primary amine groups for coagulation and charge neutralizations. Reduces turbidity. Safe for potable water treatment

ALSTAFLOC 155L DOPE (De-Oiling Polyelectrolyte) for oil removal from oil fields and refinery water

Swimming Pool Chemicals

ALSTASAN AQUA QAC, biguanidines and aldehyde based Algaecide without any toxic residues. Non oxidizing in nature. Better replacement to chlorine

ALSTACIDE TCCA Trichloroisocyanuric Acid based disinfectant preventing bio-fouling in pools

ALSTAPOL CLARIFIER Swimming Pool Water Clarifier trapping suspended solids easing suction and removal

RO Chemicals

RO chemicals ensure reverse osmosis plants and desalination plants operate at peak performance

RO chemicals enhance operational efficiency, optimize membrane life expectancy and reduce total costs



Antiscalants

ALKRO PC191 Super-threshold membrane RO antiscalant minimizing risk of scaling of supersaturated salt solutions

ALKRO AS80 General purpose low pH RO antiscalant controlling precipitation of sparingly soluble salts

ALKRO AS90 High pH RO antiscalant with organic dispersants reducing colloidal iron fouling and scaling

ALKRO HS40 Low pH RO antiscalant specifically designed for silica scaling with effective silica control up to 325 ppm

ALKRO PC510 High pH RO antiscalant for high silica water in stress conditions such as DSRO (Desalination RO Plants)

Membrane Cleaners and Disinfectants

ALKRO CL21 Low pH RO membrane cleaner for RO/UF/NF membranes by dissolving organic and mineral deposits, even iron scaling and metal hydroxide deposits

ALKRO CL27 High pH RO membrane cleaner for contaminants like oils, organic compounds, biofilms from RO/UF/NF membranes, even imparting efficacy to biocides

ALSTASAN ACTIV Stabilized peracetic acid and hydrogen peroxide based RO membrane and media disinfectant for cleaning and sanitizing RO/NF/UF membranes

ALKRO BC51 Non-oxidizing microbiocide composed of 20% dibromo-acetonitrile, safe for potable RO systems. High efficacy rate for a broad spectrum of microorganisms

CITRIC ACID General purpose RO membrane and equipment cleaner. Best results in lime scale removal and dissolving rust from steel

Packaged Drinking Water Chemicals

Minerals and Additives

Sodium Bicarbonate CAS No. 144-55-8

Potassium Bicarbonate CAS No. 298-14-6

Magnesium Sulphate CAS No. 7487-88-9

ALKRO AB All in one mineral pack

ALKRO ABT Alkalinity builder without increasing TDS

Potable Water Disinfectant

ALSTASAN SILVOX WT Silver hydrogen peroxide based potable water disinfectant. Can be used for disinfection of Membrane and water treatment plant such as ACF, Media Filter, etc. ALSTASAN SILVOX WT is FDA approved for drinking water upto 25ppm dosage. It successfully replaces Sodium Hypochlorite or chlorine and still being odorless. Does not require dechlorination.

Jar Washing Chemicals

ALSTACLEAN PC Acidic Internal jar washing chemical to remove organic foulants, minerals from insides

DETPOL B-300 External jar washing liquid. Medium foaming, neutral pH product. Can be used without gloves

ALSTACLEAN CP90 Heavy-duty alkaline cleaner for removing adhesives and stickers

PLAST-O-BRITE Plastic jar external brightener gel

Cooling Tower Chemicals

Cooling tower chemicals keep a check on issues of scaling, bio-fouling. The cooling water side of the heat exchangers fouled with deposits and corrosion cause high power consumption or system failure

Scale and Corrosion Inhibitor

ALSTACOOOL AS10/11 Super-threshold antiscalant preventing rusting on ferrous metals, copper, brass, cupro-nickel and other alloys

ALSTACOOOL Z30 Zinc phosphate based mild steel corrosion inhibitor/ antiscalant

ALSTACOOOL Z40 Drilling polymer for Piling application

ALSTACOOOL CN26 Azole based yellow metal CI with Antiscalant

ALSTACOOOL CN27 Zinc molybdate-azole based super effective corrosion inhibitor

ALSTACOOOL CN28 Molybdate based antiscalant with corrosion inhibitors for closed loop systems

ALSTACOOOL CT15 Evaporative and atmospheric condenser treatment and cooling tower fills cleaning chemical

Dispersant

ALSTACOOOL DP80 Polymeric dispersant for open re-circulating water systems

ALSTACOOOL DP40 Silt and clay dispersant that minimizes sludge formation in pipelines

ALSTACOOOL D25 Terpolymer based polymeric dispersant designed to control scale deposition, silt and clay deposits

Descalant and Passivators

ALSTASCALE DS85 Heavy-duty condenser descalant for hard scales, metal oxides, silica scales. Contains corrosion inhibitor

ALSTASCALE SR60 Silica scale removing additive

ALSTASCALE PS20 Passivation chemical that neutralizes and passivates metal surfaces post-acid descaling

Cooling Water Biocide and Microbiocide

ALSTACIDE CW25/26 Bactericide and algacide for controlling microbial growth and algae blooms in recirculating water in cooling towers. Non-oxidizing nature

ALSTACIDE CW20/21 Non-oxidizing biocide for microbial control in evaporative recirculating water systems. Should be used in alternate weekly dosing with CW25/ CW30

ALSTACIDE CW30 Cooling water microbiocide. Non-oxidizing, chlorine free and fast acting

ALSTACIDE CW90/91 Chlorine based biocide for recirculating water in cooling towers

ALSTACIDE CW95 Chlorine activator

Biodispersant

ALSTACOOOL BD40 / BD41 Bio-dispersant designed for open loop cooling water systems with high amounts of algae, slime and biofilm contamination

ALSTACOOOL BD20 Heavy-duty bio-dispersant specially designed for cooling water systems with wooden components which encourage high algae, slime and biofilm growth. Low foaming nature



Boiler Water Treatment Chemicals

Boiler compounds are used for removing and preventing mineral scale deposition and rusting of the water / steam side of boiler internals. Chemtex contribute to the overall safety of operation of the boiler and steam

Boiler Corrosion Inhibitor

ALSTHERM C333/C334/C330/H330 Polyamine based corrosion inhibitor used in steam and complex condensation

ALSTHERM DH90 Diethylhydroxylamine (DEHA) based oxygen scavenger and condensate line corrosion inhibitor.

Morpholine Organic compound based steam boiler corrosion inhibitor

Cyclohexylamine Amine derived from cyclohexane as an excellent boiler corrosion inhibitor

Boiler Oxygen Scavenger

ALSTHERM S100 Catalyzed powder oxygen scavenger

ALSTHERM S100L Catalyzed oxygen scavenger in liquid form based on sodium sulphite

ALSTHERM S200 / H235 Catalyzed hydrazine based oxygen scavenger from boiler feed water without building TDS

ALSTHERM OX Carbohydrazide based liquid film forming volatile corrosion inhibitor

Carbohydrazide Non-toxic powder corrosion inhibitor and oxygen scavenger

Hydrazine Hydrate Oxygen scavenger in steam boilers. It breaks down into nitrogen gas and water

Boiler pH Adjuster

ALSTHERM 004 Alkaline builder for boiler feed water

ALSTHERM 005 Alkalinity and deposition controller

ALSTHERM 006 pH booster and water conditioner

Boiler Antiscalant

ALSTHERM M220 Coil type boiler antiscalant specially for coil type boilers

ALSTHERM M221 Smoke tube boiler antiscalant for smoke type boilers

ALSTHERM M222 Water tube boiler antiscalant for water tube boilers

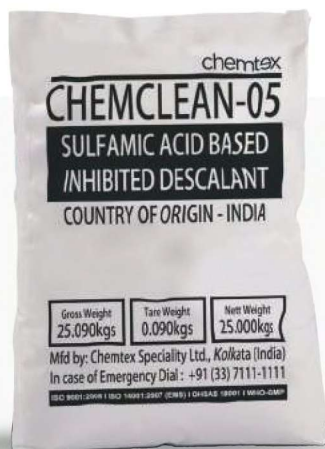
ALSTHERM S223 Powder antiscalant and pH/ alkalinity builder

ALSTHERM 001 Synthetic polymer based online boiler descalant to remove salt precipitates, deposits and sludge

Boiler Multipurpose Chemicals

ALSTHERM MP40 multipurpose boiler chemical to prevent scale, corrosion, sludge and iron oxide deposition

ALSTHERM MP79 Boiler additive to prevent scale, corrosion, sludge with oxygen scavenging and pH boosting functions



Boilout and Descalant Chemicals

CHEMCLEAN 01 Liquid boiler descalant with detergent

CHEMCLEAN 02 Boil out and scale softening chemical

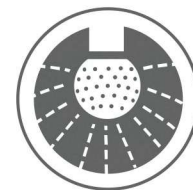
CHEMCLEAN 05 Powder based boiler descalant based on Inhibited Sulphamic Acid

CHEMCLEAN 06 Boiler additive to remove silica and organic deposits

CHEMCLEAN 07 Single step boiler cleaner removing oil grease and mill scale

Cleaning & Hygiene Chemicals

for Food Processing, Beverage, Breweries, Dairy and Pharma



The choice of cleaner or disinfectant, use concentration and exposure time is based on the degree and type of soil along with the risk of infection associated. Cleaners are generally categorized on their foaming nature, while disinfectants on their oxidizing characteristics

Liquid Detergent



DETPOL B-300

Liquid Detergent as per IS 4956: 2002 Type 3 Standard, Neutral pH, Medium foaming, Multi-purpose

Anionic surfactant based multipurpose liquid cleaner/detergent having neutral pH and good material compatibility. It is non-hazardous and requires no stringent handling precautions. DETPOL B-300 finds a wide range of applications in food and beverage, dairy, pharma, and other industries where quick and efficient cleaning is required

General Cleaners & Disinfectants

ALSTACLEAN QC30 / GC30 QAC based germicidal cleaner with excellent material compatibility for use on aluminium, stainless steel, rubber, plastic, and other components usually found in the FnB sector

ALSTACLEAN CL5 Heavy-duty chlorinated foaming cleaner for bio-foulants, oil and grease. Effective against various types of microbial contamination commonly found on exposed surfaces in FnB

ALSTASAN CL10 Chlorinated low foaming cleaner and disinfectant ideal for CIP and spray cleaning. Required for cleaning of organic matter, along with excellent degreasing and disinfecting abilities

ALSTASAN II 256 Broad spectrum hard surface cleaner and deodorizer for hard non porous, inanimate surfaces, tanks, utensils. Leaves a refreshing fragrance

ALSTASAN PQ15 PHMB, QAC based non-oxidizing disinfectant with long lasting disinfecting abilities remaining active in presence of high organic matter

ALSTACLEAN CL90 Heavy duty decarbonizer and degreaser for removal of carbon, stubborn greasy residues, oils, fats and protein rich deposits

ALSTASAN ID4 Iodophore based conventional water and surface sanitizer. Non oxidizing, non chlorine, non phenol formulation

ALSTASAFE Foaming Cleaner Mild alkaline safe on aluminium and alloys, for light to medium duty cleaning applications

Bottle Washing and Rinsing Aid

ALSTACLEAN BW and **ALSTACLEAN RA** series of Recycled Glass Bottle Washing and Rinsing Aid Chemicals

Potato Washing Defoamer High performance antifoam for washing/slicing of potato starch

Conveyor Chain Lubricants Heavy-duty conveyor belt grease, reducing friction and power loss

Air Fumigation by Fogging Aerial fumigation in a controlled atmosphere to exterminate air-borne pathogens





Conventional CIP consists of Caustic-Nitric-Caustic (CNC) treatment followed by hot water sterilization, with significant amounts of energy and water being consumed in the process. Chemtex formulated CIP treatment reduces this four step process to two or three steps thus reducing time, cost, energy, manpower with substantial increase in productivity and efficiency

CIP Cleaners & Sterilants

Acidic

ALSTACLEAN CP3 Low foaming acidic CIP cleaner based on phosphoric acid and derivatives. It rinses off alkaline residues and aids in the removal of lime scales and acid soluble residues

ALSTACLEAN CP4 Heavy-duty CIP cleaner based on nitric and phosphoric acid effective at removing inorganic scale deposits, beer stones (calcium oxalate)

ALSTACLEAN CP5 Heavy-duty acidic CIP cleaner, degreaser and stainless steel passivator for food industry, based on nitric acid. It ensures optimum system performance, by reducing chances of metal oxidation by corrosion

ALSTACLEAN CP67 Cleaner additive based on phosphonic acid derivatives, sequestrants and defoaming surfactants, finding use in CIP and bottle washing applications

Alkaline

ALSTACLEAN CP90 CIP cleaner and caustic additive based on potassium hydroxide, inorganic sequestrants, organic chelants and surfactants for scale softening and removal. Use of CP90 during CIP eliminates or minimizes the need for acidic cleaning

ALSTACLEAN CP18 Heavy-duty alkaline cleaner based on a blend of surfactants for cleaning of fat and oil deposits from aluminium, and prevents whitish film formation after use

ALSTACLEAN CP90-D

CIP cleaner and disinfectant based on sequestrants, chelants, QAC's and non-ionic surfactants. Non foaming nature, and can be dosed both automatically and manually. It can be used as a stand-alone CIP cleaner and disinfectant or in addition to any compatible alkali donor. It is a single product solution to address the needs of milk collection and chilling centres and tanker cleaning

Disinfectant

ALSTASAN FORTE 15% peracetic acid and hydrogen peroxide based high activity cold sterilant for use in dairies, FnB, pharma, breweries, etc. It is a non staining, non tainting, no rinse formula with nil heavy metal content

ALSTASAN ACTIV 5% peracetic acid based disinfectant and sanitizer for equipments during CIP.

Biodegradable, non rinsing, non foaming formulation makes CIP and disinfection effective. It is compatible with both hard and soft water with a powerful oxidizing ability ensuring efficient stain removal. Cold sterilant, complying with 21 CFR 173.370

 *ALSTACLEAN CP90-D alkaline CIP cleaner & disinfectant



ALSTASAN® ACTIV

Peracetic Acid Stabilized, CH_3COOOH ;
CAS No.79-21-0

In-vitro antibacterial efficacy test results in accordance to IS 5253:1971 show organisms like E. coli (ATCC 25922), L. monocytogenes (15313), E. faecalis (ATCC 14506), B. cereus (ATCC 11778), S. abony (NCDC6017), P. vulgaris (ATCC 6380), S. aureus (NCDC 237) are inactivated within 10 mins of contact time at 0.2% concentration of **ALSTASAN ACTIV** at ambient temperature



NDRI

The National Dairy Research Institute, Karnal has certified **ALSTASAN ACTIV** for use as a cold sterilant for killing pathogens related to dairy industry

Refrigeration & Air Conditioning Chemicals

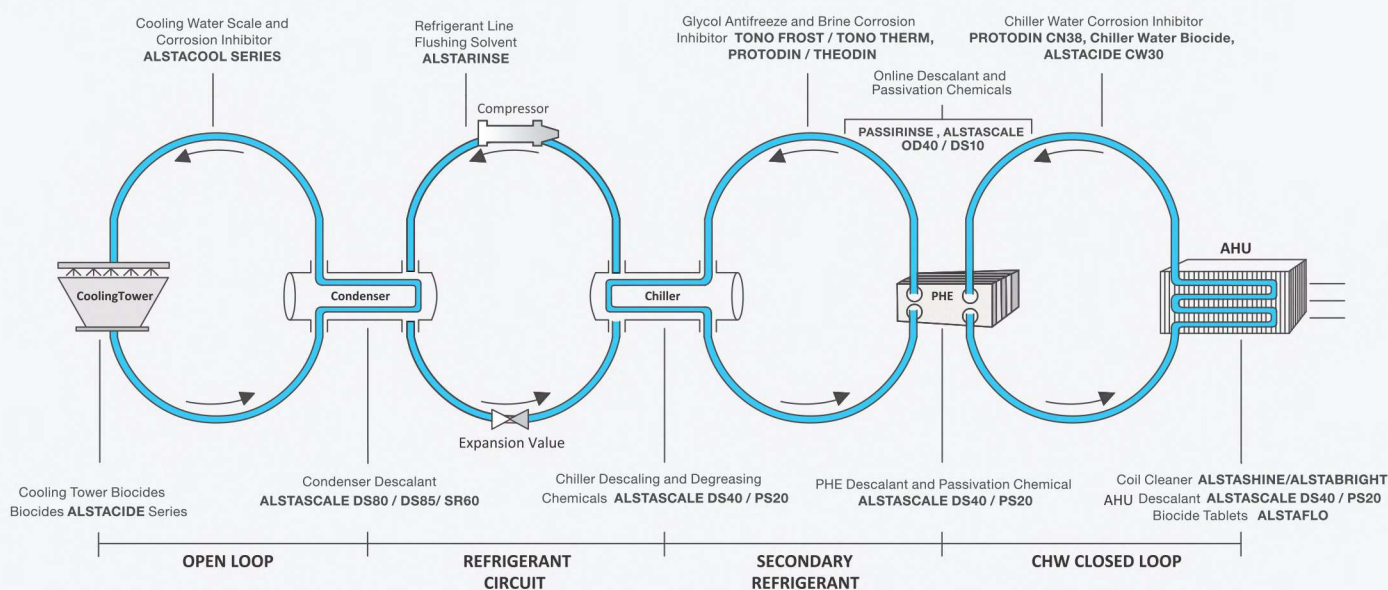
for Bottling Plants, Thermal Energy Storage, HVAC Systems, Freezers



HVACnR system require heavy-duty heat transfer fluids and maintenance chemicals to maintain peak performance and safe operation. CADR (Clean Air Delivery Rate), IAQ (Indoor Air Quality), and efficient heat transfer is maintained with periodic treatment of HVAC systems



HVAC Schematic Diagram



Food Grade Glycol



for Dairy, Beverage, Breweries & Microbreweries, Edible oils, Pharmaceuticals, Distilleries, Meat Processing, Freezer on wheels

Propylene Glycol is a colorless stable, non-toxic hygroscopic heat transfer liquid used as an antifreeze in the refrigeration systems. It degrades into organic acids and causes metal corrosion

TONO FROST 593 Pre-inhibited propylene glycol food grade antifreeze designed to protect commonly found metals in the food processing industry

PROTODIN Corrosion inhibitor for propylene glycol based heat transfer fluids. It passivates metal surfaces and buffers organic acids formed by glycol degradation

Industrial Grade Glycol



for Thermal Storage Systems, Gas Compressor Systems, Solvent Extraction Units, Windmills, Cold Storage, Antifreeze, Mould cooling, Process cooling and heating

Ethylene Glycol is a heat transfer liquid extensively used as antifreeze and antiboiling agent for refrigeration systems and engine coolant. It is corrosive and toxic in nature

TONO THERM 593 / HOAT Pre-inhibited mono ethylene glycol antifreeze formulated to meet the needs of large scale industrial cooling and HVAC systems

THEODIN Multi-metal corrosion inhibitor that works on surface adsorption technology to prevent metal corrosion and buffers pH of the system

▶ Air Conditioning Chemicals



ALSTASHINE Non acidic coil cleaner and brightener for complete removal of dirt, grease & carbonaceous deposits on aluminium fins and copper coils

ALSTABRIGHT Acidic coil cleaner and brightener to effectively remove dirt, mineral scale and cementitious deposits from cooling coils and aluminum components

ALSTARINSE Vaporizing flushing solvents to clean carbon, moisture, dirt, oil, sludge and metal deposits from refrigerant and compressor lines. Non-carcinogenic, Non-flammable, Non-ozone depleting. Eco-friendly replacement of CTC (Carbon Tetrachloride)

ALSTASCALE DS85 Blend of acids with inhibitors that can be used as a heavy duty liquid descalant for hard water scales with high silica/ silicate deposits

ALSTA-FLO Tablets Slow release biocide tablets that when added to condensate drip pan helps to keep the tray clean and slime-free to ensure no plugging of condensate water drain and keep air bacteria free

DETPOL B-300 Liquid cleaner of AHU filter fabric and general purpose cleaning

▶ Chiller Treatment Maintenance

ALSTASCALE OD40/DS10 Online descalant or rust remover for new or old CHW line carrying chiller water, glycol antifreeze or calcium chloride brine

ALSTACIDE CW30 Non-oxidizing microbiocide to prevent bacterial fouling of CHW system

PROTODIN CN38 Nitrite based corrosion inhibitor with antiscalant for water and glycol brine

ALSTACLEAN CP60 Calcium chloride and methanol brine corrosion inhibitor

ALSTACLEAN CP65 Calcium chloride and methanol brine multi-metal corrosion inhibitor

ALSTASCALE PS20/PASSIRINSE Bio-degradable purging and passivation chemical for closed loop systems

ALSTA GLO Non-toxic bright green coloring agent for glycol, brine, methanol and water based HTF for leak detection



RADIKOOL PI95X

95% ethylene glycol based extended life coolant antifreeze concentrate typical for Heavy duty diesel engines, confirming to ASTM D3360, ASTM D6210, JIS-K2234 (2006) and IS: 5759 (1994) standards

Hybrid Organic Acid Technology based engine coolant used in automobile, D.G sets Railway, Marine, Aviation, Defence and mining.

▶ PCM (Phase Change Material)

TONO range of PCM (Phase Change Material) are available for various temperature range and forms such as liquid, solid and gel

▶ Eutectic and Heat Treatment Salts

Eutectic salts of different melting temperature finds use in various applications of thermal energy storage in solar power, defence, paper, etc industry

Oil & Gas Chemicals

for Oil Exploration, Refinery, Petrochemicals, Mining, Tankage



Oil fields employ drilling and dewatering polymers for enhanced oil recovery, reduced microbial induced corrosion. Oil refineries require use of demulsifiers, corrosion inhibitors, oxygen scavengers for high quality fuel and petrochemicals



Upstream

Drilling & Completion Fluid Additives

- Deflocculants (Polymeric)
- Defoamers / Antifoams
- Fluid Loss Reducers
- pH Controllers
- Shale Inhibitors
- PHPA LT and PHPA HT
- Surfactants

Cementing Additives

- Accelerators
- Dispersants
- Extenders
- Retarders
- Spacers & Chemical Washes

Simulation Fluid Additives

- Bactericides
- Breakers
- Clay Stabilizers
- Cross Linkers
- Mutual Solvents
- Polymeric Viscosifiers

Midstream

Crude Tank Farms

- De-watering Agent
- Sludge Breaker
- Solid Settling Agents
- Tank Cleaning Additives
- Crude Oil Tankage Dehydration
- Hydrotesting Inhibitor
- Degassing Chemical

Pipeline Chemicals

- Crude Pipeline Corrosion Inhibitor
- Hydrotesting Corrosion Inhibitor
- Pipeline Cleaning Chemical

E&P Chemicals

- Biocide
 - Amine type
 - Non-Amine type
 - Non-Amine, Non-Aldehyde
- Micro-biocides
- De-oilers
- Demulsifiers
- Scale Inhibitors
- Acid Corrosion Inhibitor (ACI)
- Oxygen Scavengers
- Surfactants
- Flocculants / Polyelectrolytes
- Polyelectrolytes
- PPD / Wax Inhibitor

Water Injection Chemicals

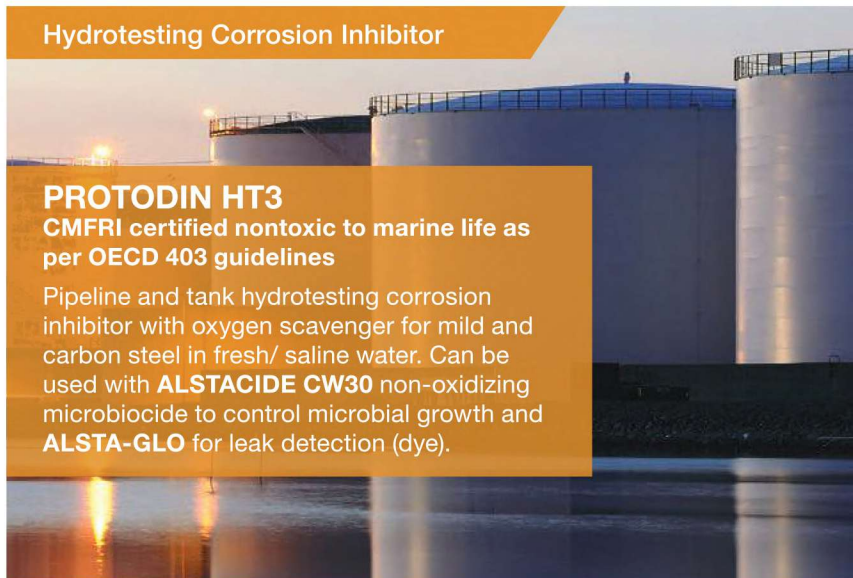
- Calcium Carbonate Scale Inhibitor
- Strontium Sulfate Scale Inhibitor
- Biocides for Water Floods & Production Systems
- Corrosion Inhibitors (WIN)
- Defoamers/ Antifoams
- Flocculation Aid/ De-oilers

Hydrotesting Corrosion Inhibitor

PROTODIN HT3

CMFRI certified nontoxic to marine life as per OECD 403 guidelines

Pipeline and tank hydrotesting corrosion inhibitor with oxygen scavenger for mild and carbon steel in fresh/ saline water. Can be used with **ALSTACIDE CW30** non-oxidizing microbiocide to control microbial growth and **ALSTA-GLO** for leak detection (dye).





Refineries are broad scale industrial installation where crude oil is purified and processed into new refined petrochemical products. Refinery treatment programs like addition of fuel additives, corrosion inhibitors and use of speciality chemicals are maintained for smooth functioning of downstream / refinery sector.

Downstream

Refineries

Pipelines

- Viscosity Reducers
- Biocides
- Drag Reducing Agents
- Cold Flow Improvers
- Corrosion Inhibitors
- Paraffin Inhibitor
- Scale Inhibitor
- Ashphaltene Inhibitor
- Wax Dispersants
- Anti-settling Agents
- Oxygen Scavenger
- Mercaptan Scavenger
- H₂S Scavenger (Triazine Non Triazine)

Desalter

- Demulsifier
- Reverse Demulsifier
- Metal Removal Aid
- Brine Antiscalant
- Solid Wetting Agents
- Corrosion Inhibitor

Crude Pre-Heat/ Heater

- Antifoulant
- Corrosion Inhibitor

Primary Units

- Overhead Corrosion Inhibitor
- Antifoam
- Neutralizing Amine
- Filming Amine
- Antifoulant

Secondary Units

- HYDRO-TREATING (DHDT)
 - Antifoulant / Descalant
 - Corrosion Inhibitors
- FCCU
 - Metal (Nickel) Passivator
 - Slurry Settling Agent
 - Corrosion Inhibitor
- DCU
 - Coker Antifoam
 - Corrosion Inhibitor
- VISBREAKER
 - Defoamer
 - Corrosion Inhibitor
 - Asphaltenic Inhibitor
 - Antifoulant

Auxiliary Units

- MEROX UNIT
 - Emulsion Breakers
 - Hydrogen Sulphide Scavengers
 - Mercaptan Scavengers
 - Antifoam
- AMINE TREATING UNIT (ATU)
 - Antifoam
 - Corrosion Control
- SOUR WATER STRIPPER
 - Emulsion Breakers
 - Antifoulants

Finished Fuel Additives

- CFPP improver additives
- Conductivity Improver
- De-hazer
- Octane Number Improver
- Cetane Number Improver
- Diesel Stabilizer
- Lubricity Improver (DLA / DLI)
- Pour Point Depressors (PPD)
- Dewaxing Aids
- Gasoline antioxidants
- Cu-Corrosion Inhibitors / Passivator

Petrochemicals

Furnace Coking Control

- Anti-Coking Agent (DMDS)

Quench Water & DSG Unit

- pH Neutralizers
- Corrosion Inhibitors
- Emulsion Breakers
- Steam pH Control

Primary Gasoline Fractionator

- Antifoulant
- Quench Oil Tower Cleaning

Caustic Tower System

- Red Oil Inhibitors
- Anti-Polymerant
- Antifoulant

Light End Separation Unit

- Antifoulant

Pygas and C₄ Stabilization Unit

- Antioxidants
- Metal Deactivators/ Passivators
- C₄ Stabilization Additive

Utility Chemicals

Desalination & RO Plant

- Thermal Desalination Antiscalant
- RO/NF/UF Membrane Antiscalant
- Cleaning Chemicals

Wastewater Treatment

- Polyelectrolytes
- PAC (Poly Aluminum Chloride)
- Deoilers (DOPE) - Cationic/Anionic
- Poly-DADMAC & PolyAmine

Process Cooling and Heating

- Cooling Tower Chemicals
- Chilled Water Corrosion Inhibitor
- Glycol and Corrosion Inhibitor
- Descalants
- Boiler Treatment Chemicals

Surface Treatment Chemicals

for Steel, Power, Engineering, Oil & Gas, Petrochemical, Defense



Surface treatment such as derusting, rust prevention, degreasing are the part of maintenance programs that are aimed to keep plant machinery functioning smoothly with minimum downtime and CapEx

Parts Washing (Degreaser, Decarbonizers and Rust Preventives)

ALSTACLEAN VD20 / VD30 Vaporizing degreaser based on eco-friendly solvent for heavy duty degreasing and decarbonizer of metal surface. It is an ideal replacement to ozone depleting and carcinogenic solvents such as Trichloro Ethylene (TCE) and Carbon Tetrachloride (CTC)

ALSTACLEAN CL90 Foaming cleaner and degreaser (water based) for alkaline cleaning of dirt and carbonaceous deposits. Creates instant foam that helps to clean hard to reach spaces

ALSTACLEAN DG90 Non-foaming aqueous based alkaline cleaner, ideal for dip and soak method and in spray applications where foam is not desired

ALSTACLEAN CC Electronic Contact Cleaner

Derusting and Phosphating

DERUST 40 Derusting liquid formulation for removal of rust, metal-oxide deposits from ferrous metal

ALSTADINE M31 and M35 3-in-1 metal treatment compound for derusting, degreasing and phosphating

Descaling, Pickling and Passivation

A2 PICKLING PASTE for removal of welding spots and marks from stainless steel fabricated vessels

A2 PASSIVATION GEL for passivation of stainless steel with chromium layer to prevent further spotting

Citric Acid for cleaning and descaling

Edta Acid chelating agent for metal oxide and sequestrant of calcium salt deposits on metal surfaces

Ammonium Bifluoride for silica scale removal, pickling and used for oil well acidification

Sulphamic Acid for descaling of boiler and heat exchangers



PROTODIN® Acid Inhibitors (Rodine type)

Acid Pickling, Descaling, Derusting, Oil well acidization

Inhibitor	Acid and Application
213	5-10% HCl for pickling, acidizing, cleaning
213 SPL	HCl, HF and HCl-HF mixtures thereof
103 NPF	Mineral acids. Nonyl phenol Free, eco-friendly
92B	Citric Acid and EDTA descaling and passivation
50	HCl batch pickling
57	H ₂ SO ₄ pickling at ambient temperature
85	H ₂ SO ₄ batch pickling at high temperature
95	H ₂ SO ₄ strip pickling at high temperature
31A	H ₃ PO ₄ and other acids for descaling
130	Sulfamic acid descaling (powder form)
2010	Ammoniated EDTA and ammoniated citric acid
2020	H ₃ PO ₄ , HEDP, ATMP, PBTC and DETMP

Performance Additives

for Construction, Coal, Energy, Steel



Construction Chemicals

ALSTACON SP40 Concrete admixture-super plasticizer

CONFOAM-L Concrete foaming agent for manufacturing of CLC (light weight concrete) blocks and bricks

PROTODIN CS / CSP / CSX Bipolar integral concrete corrosion inhibitor for reinforcing steel protection from

Biocides

Benzalkonium Chloride (BKC) Broad spectrum terminal disinfectant and biocide

Phmb/Phmg Guanidines and biguanidines are highly compatible biocides with high efficacy

Isothiazolinone (CMI/MIT) Microbiocide for various applications such as preservation, bio-fouling inhibition

Didecyl Dimethyl Ammonium Chloride (DDAC) 4th gen quaternary ammonium compound based biocide

Glutaraldehyde Conventional aldehyde for oil wells, water, leather and institutional applications

Peracetic Acid High oxidizing biocide. Eco-friendly, degrades into water, oxygen and vinegar

Suppressants & Retardants



DUSLOC - Dust suppressant additive for coal dust, mineral ores and general industries by sprinkling highly diluted solution of the product



FOAMLOC - Antifoaming additive to counter foaming issues in various applications related to process or production additive



VAPLOC - Evaporation retardant used in large scale industries to prevent the harvested rain water from evaporating. Also finds use in agriculture.



FIRELOC - Fire retardant chemical for textiles, canvas, polyester, hay and such fabrics to prevent catching fire to a large extent



FUMELOC - Fume suppressant to prevent the acidic fumes from acid storage tanks, pickling bath and fuming products by masking



AQUALOC - Moisture locking agent available in water dissolving pouch packing that can be used for medical and industrial application

Housekeeping & Laundry Chemicals

for Institutional, Residential, Hospitality, Kitchen, Railway, Transportation



Chemical cleaners for room and fabric care for institutional, household and commercial use are available as ready-to-use as well as in concentrates as a break through idea to ease formulators establish their brand and personalized packaging

► Institutional Housekeeping

CX1 Super bathroom cleaner and sanitizer concentrate for cleaning and sanitizing bathroom surfaces

CX2 Concentrated hygienic hard surface cleaner. It does not contain abrasives and bleach

CX3 Glass cleaner concentrate for all types of glass and mirrored surfaces, windows glass panes, etc.

CX5 Water based ready-to-use air freshener with a variety of fragrances

CX7 Floor cleaner concentrate for all types of floors for wet mopping as well as machine scrubbing

and many more..



► Household Concentrates

CX range of concentrates for readymade formulations of household cleaners in compliance with COSHH regulations helping blenders set up their businesses easily



Blend



Pack



Brand



Sell

► Fabric Care



Laundry chemicals for use in mechanized laundry processes, such as liquid detergents, alkalinity builders, stabilizers, neutralizers, fabric softeners, stain removers, perchloro ethylene formulations, etc.

CX UNIVERSAL Liquid detergent with brightener

CX HYPO Liquid bleach and stain remover

CX BUILD Alkalinity builder and stabilizer

CX CID Neutralizer and bleach

CX SOFT Concentrated fabric softener

Sterilants & Disinfectants

for Medical, Healthcare, Pharma, Clinics, Laboratories



Disinfectants form a multi-barrier strategy to prevent Healthcare Associated Infections (HAIs) or nosocomial infections. It includes inactivation of bio-terrorist agents. Use of an effective disinfectant provides sustained antimicrobial activity with minimal additional cost or work



➤ Air Sanitation/ Aerial Fumigation

ALSTASAN SILVOX® 150 Silver hydrogen peroxide based air disinfectant is an effective replacement to formaldehyde, glutaraldehyde in spectrum of activity, and ease of use

ALSTASAN® ACTIV 5% Stabilized peracetic acid based multi-purpose disinfectant working on a short contact time with a large surface area coverage

ALSTASAN® LF 125 Broad spectrum terminal disinfectant based on 3rd and 4th generation QAC's with good skin tolerance. It leaves a refreshing lemon fragrance

ALSTACOL® 25 Alcohol based surface and surrounding disinfectant available in spray bottles. It works on a short contact time, compatible with most hospital materials



➤ Surgical Instruments/ Utensil Sterilization

ALSTASAN® CARE Peracetic acid based disinfectant for surgical instrument sterilization, and surface disinfection

ALSTASAN® OPA Orthophthaldehyde 0.55% based high level disinfectant for heat sensitive medical instruments

ALSTASAN® GLUDEX 2.45% Glutaraldehyde with activator based high level disinfectant for endoscopes, instruments

ALSTASAN® II 256 Broad spectrum hard surface cleaner and deodorizer with a refreshing minty fragrance

➤ Personal Care

ALSTA® HAND RUB Alcohol based hand rub disinfectant with broad spectrum and sustained antimicrobial action

ALSTA® HANDWASH Broad spectrum surgical hand scrub and body cleanser before surgery

ALSTA® MECERUB Mecetronium ethyl sulphate based ready-to-use skin friendly hand disinfectant

ALSTA® HAND GEL Alcohol based hand rub in gel form with skin moisturizer for smooth sanitized hands



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