



Altret Industries Pvt. Ltd

PERMOLE SERIES FLOCCULANTS AND ORGANIC COAGULANTS

LIQUID - SOLID SEPRATION THROUGH POLYMERS IN

WATER TREATMENT

Every Water Treatment Systems having a difference kind of challenges depends on varying characteristics of types of Water Quality. Treatment solutions are designed based on treated water specifications and regulatory Compliance.

Generally the polymers are used to enhance the solid-liquid separation process in an aqueous media resulting in the separation process being rapidly increased and the aqueous media become clear and free of fine solid particles.

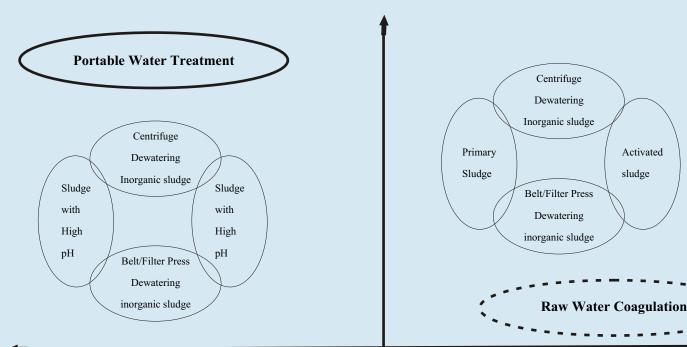
ALTRET supports to Industries to evaluate the correct technical approach, and the right organic chemistry that match the approach. Different equipment requires different molecular weights within flocculants, and even variations in sludge types require different types of charges to treat it. We offer a diverse range of products to solve all kinds of situations.

The range of **PERMOLE** flocculants and coagulants include powder grade anionic, non-ionic, cationic and amphoteric polyacrylamides and also polydadmac, polyamine and dicyandiamide type liquid coagulants. **PERMOLE** range of polymers varies in terms of physical (solid or liquid), ionic content (very low, low, medium, high or very high) and also molecular weight (low, medium, high or very high) to meet all customer needs.

APPLICATIONS

Anionic

MOLECULAR WEIGHT



Nonionic CHARGE OF POLYMER

Cationic

OUR COMPREHENSIVE PORTFOLIO TO MAINTAIN

TREATMENT PROCESS:

We have a broad range of products in many chemical variants. Our wide range ensures we can match diverse and demanding process specification and requirements.

Cationic Flocculants

We produce cationic polyacrylamides in emulsion and powder form that are particularly effective in:

- Primary clarification
- Sludge thickening
- Sludge dewatering

Anionic Flocculants

We produce anionic and nonionic polyacrylamides with anionic charge density ranging from 0-100% that are class-leading in applications such as:

- Raw water clarification
- Fermentation by-product recovery
- Sugar juice clarification
- Process water recycling

Polymers Benefits:

- Reduction in Alum and PAC consumption
- Total elimination of Inorganic flocculants
- Improve Filtration with less carry over
- Less sensitive to pH variation

Organic coagulants

We offer a range of liquid organic coagulants of the highest industry-quality.

- Polyamines often replace or reduce the use of inorganic coagulants for turbidity reduction in process or wastewater streams. They are particularly useful in areas of biological waste processing and fermentation applications.
- Polydiallydimethyl ammonium chloride (PolyDADMAC) is often used in filtration applications or in conjunction with our flocculant products. These polymers are highly effective in many water treatment clarification processes. It can also be used in combination with our flocculant and coagulant products to lower overall treatment costs.
- Ease of Operation
- Less Sludge generation and Desludging
- Cost Effective
- Fast acting





ALTRET PRODUCTS RANGE:

Cationic Polyelectrolytes

Anionic Polyelectrolytes

Polyamine base coagulants

Odor Remover

Paper process Chemicals

Sugar Process Chemicals

Colours Removals

Antifoam

Boiler Water Treatment Program

Cooling Water Treatment Program

Combustion Monitoring Chemicals

Products for RO Membrane

Defoamers / Antifoams

Alkalinity Builder for pH Booster

Oxygen Scavenger

Corrosion Inhibitors

Phosphate Coniditioning

All volatile Amine Treatment

Boiler lay up Treatment

Hardness Control

Acidic De-Scaling Chemicals

Boiler Deformer

Sludge Conditioner

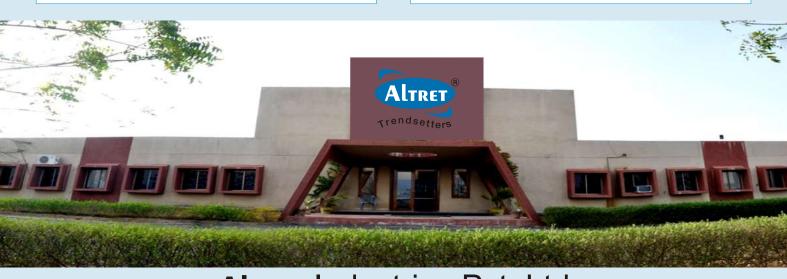
Corrosion Inhibitors

Scale & Corrosion Inhibitors

Non Oxidixing Biocides

Wet lay up Treatment

Polymeric Dispersants



Altret Industries Pvt. Ltd

Altret House, 12/2881, Sayedpura Main Road, Surat-395003, Guj. India.

PH. +91 - 261 - 2451807 - 08 - 09. FAX. 2434517.

E-Mail: info@altret.com Visit us: www.altret.com