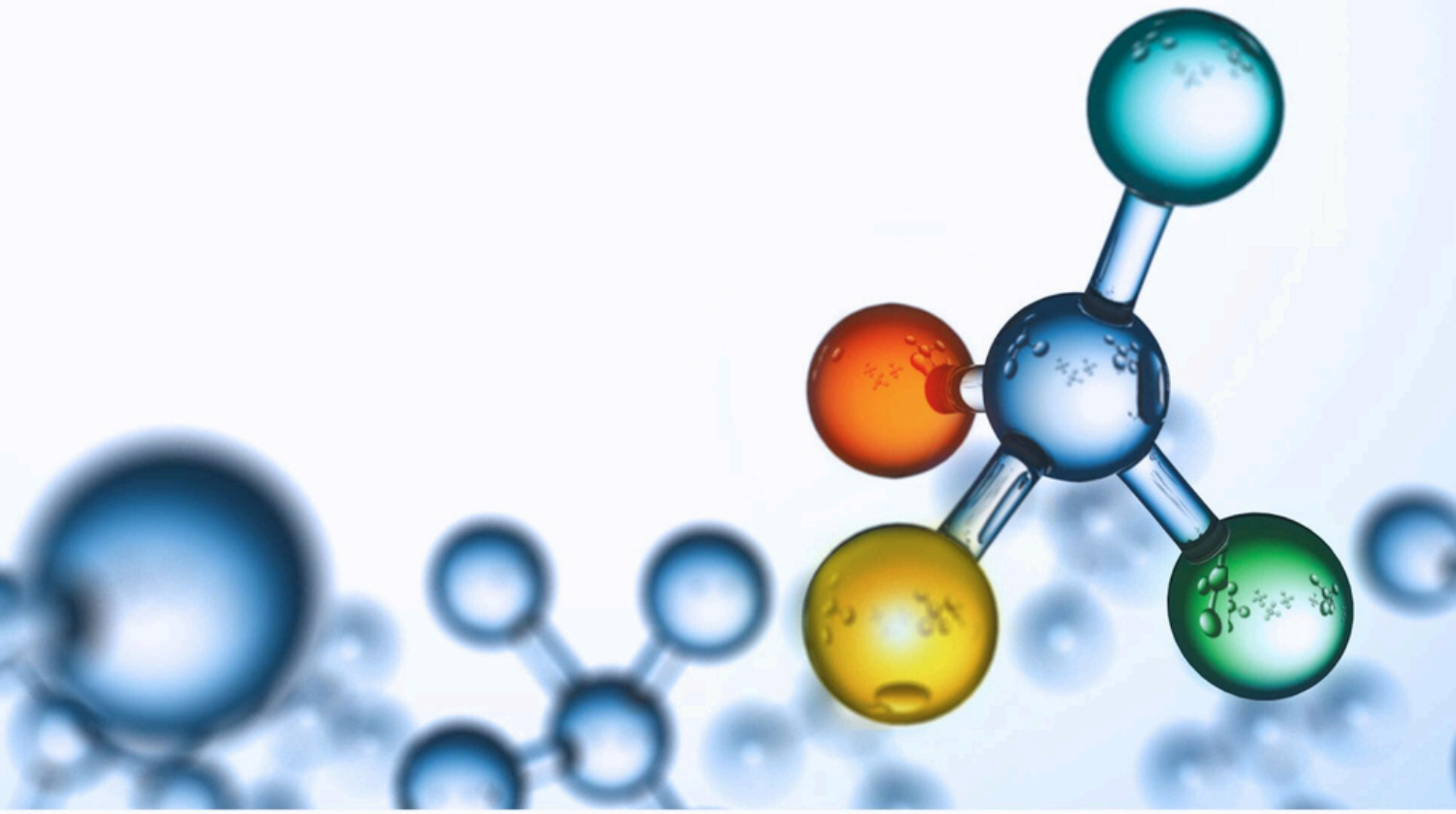
RSD
POLYMERS PVT. LTD

YOUR TRUSTED PARTNER FOR SPECIALTY POLYMERS AND DISPERSANTS.



OUR VISION

"Driving innovation in carboxylate polymers and specialty performance chemicals that empower manufacturers and bring novel technologies to industries globally."

OUR MISSION

"Shaping the future with market driven innovation, expert technical support, and global reach with highly advanced manufacturing facilities."

ABOUT US

We are an ISO 9001:2015 certified company specializing in the manufacturing of high performance specialty polymers and dispersants. Our state-of-the-art production facility, located in MIDC Lote Parshuram, is equipped to handle both aqueous and solvent route polymerization processes, ensuring superior quality and efficiency.

At RSD Polymers, we are dedicated to innovation, quality, and sustainability, delivering cutting-edge polymer solutions tailored to diverse industrial applications. Our industry-specific application lab is well-equipped to provide customized solutions, ensuring optimal performance for our customers.

Since its establishment in 2008, RSD Polymers has continuously evolved through significant milestones, including the factory establishment and production initiation, expansion of production units to meet growing demand, Global export initiatives to expand our market reach, Integration of advanced automation and SCADA systems for precision and efficiency, and further expansion planned for 2027, strengthening our production capabilities

Our facility has the capacity to produce approximately 4,000 MT through aqueous route and 1,200 MT through solvent-route annually. The entire production process is controlled through an advanced SCADA system to minimize human interference and to achieve highest level of production consistency. In addition to liquid polymers we have facility to produce polymers in powder and granular forms.

To support the production facility our advanced warehousing ensures seamless logistics, enabling timely delivery to our customers globally.

MARKETS AND APPLICATION

ANTISCALANTS FOR SUGAR EVAPORATORS

DISPERSING AND DEFLOCCULATING AGENTS FOR CERAMIC

DISPERSING AND CHELATING AGENTS FOR TEXTILE

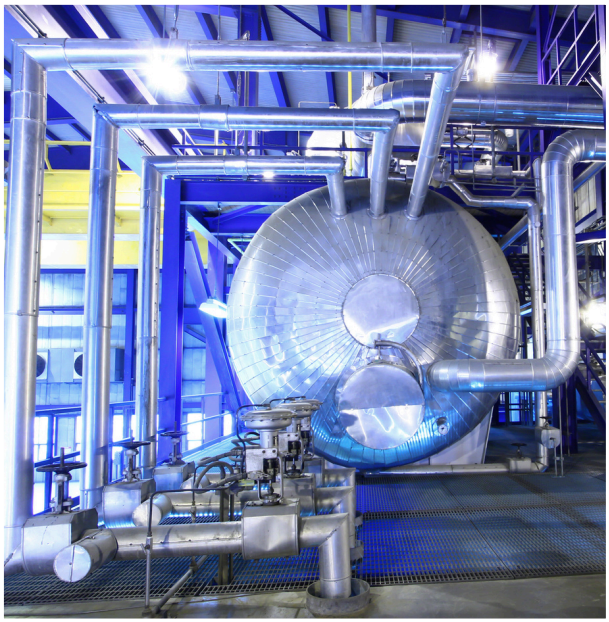
DISPERSANTS FOR PAINT & PIGMENTS

ANTISCALANT FOR WATER TREATMENT

POLYMERIC BUILDERS FOR DETERGENTS

MINERAL PROCESSING AIDS IN MINING

MUD ADDITIVES AND ANTISCALANTS FOR OIL FIELD



WATER TREATMENT

OUR OFFERING

- Polymaleic Acid (Solvent Route PMA)
- Acrylic Acid Homopolymer
- Acrylic Acid, Sulphonated Copolymer
- Acrylic/Nonionic/Sulphonated Terpolymer
- Multipolymer
- HPMA (Polymaleic Acid Aqueous Route)

KEY BENEFITS AND FUNCTIONALITY

Our polymers serve as key ingredients in industrial water treatment formulations, providing superior scale inhibition by disrupting crystal growth and offering strong dispersing action on scales such as $CaSO_4$, $CaCO_3$, $Ca_3(PO_4)_2$, Silica (SiO_2) and more. They ensure formulation stability and compatibility throughout the treatment process.

APPLICATION AREAS (In water treatment formulations)

- Boilers
- Cooling Towers
- RO Systems
- Sugar Evaporators

HOUSEHOLD, INDUSTRIAL, & INSTITUTIONAL CLEANING

OUR OFFERINGS

- Acrylic Acid Homopolymer
- Sodium Polyacrylate
- Acrylic Maleic Copolymer (Liquid & Powder)
- Acrylic Acid Homopolymer Granules
- Sulphonated Copolymer

KEY BENEFITS AND FUNCTIONALITY

Our polymers act as anti-redeposition aids, maintaining fabric whiteness by reducing incrustation and effectively dispersing clay and soils. They provide an eco-friendly replacement to STPP and enhance solubility and stability by functioning as excellent hydrotropes in liquid formulations. Additionally, they aid in moisture retention for improved texture and enhance processing efficiency during detergent cake production. They also help reduce costs in the spray-drying process.

APPLICATION AREAS

- Detergent Powder
- Liquid Detergent
- Detergent Pods & Tablets
- Hard Surface Cleaning Formulations
- Dishwashing Formulation
- Detergent Cake

CERAMIC & TILES

OUR OFFERINGS

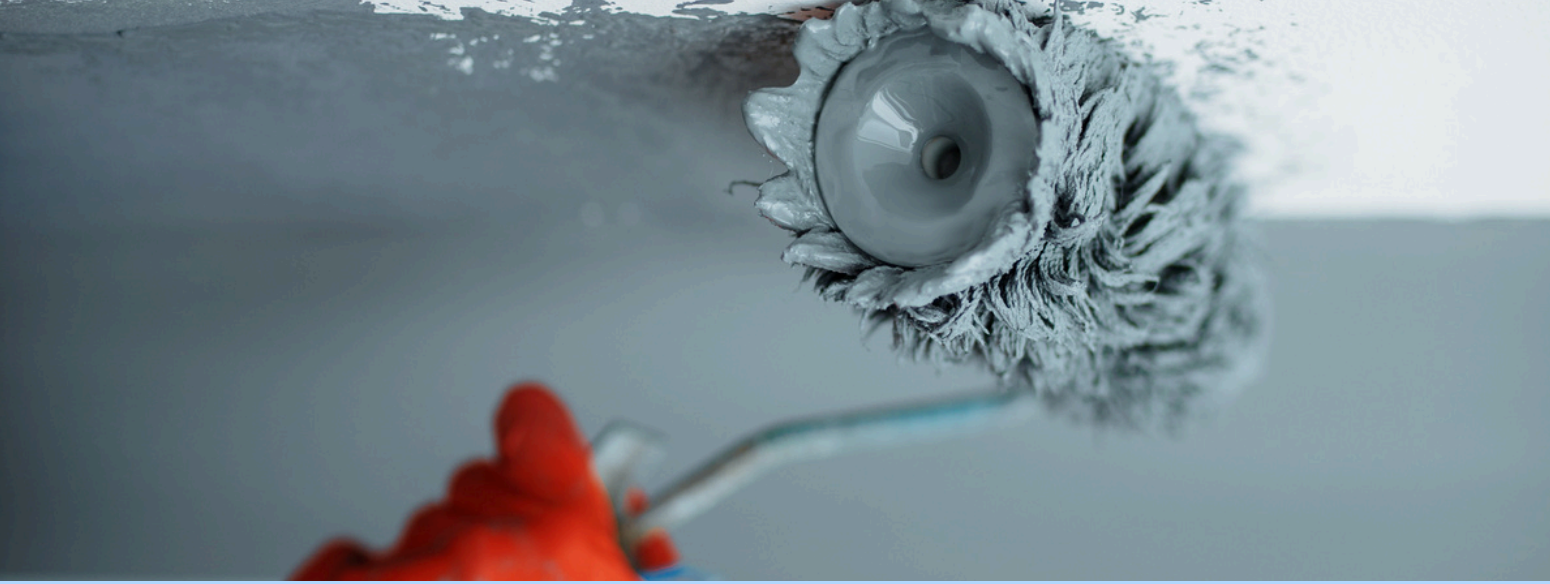
- Various Carboxylate Polymers and Dispersants

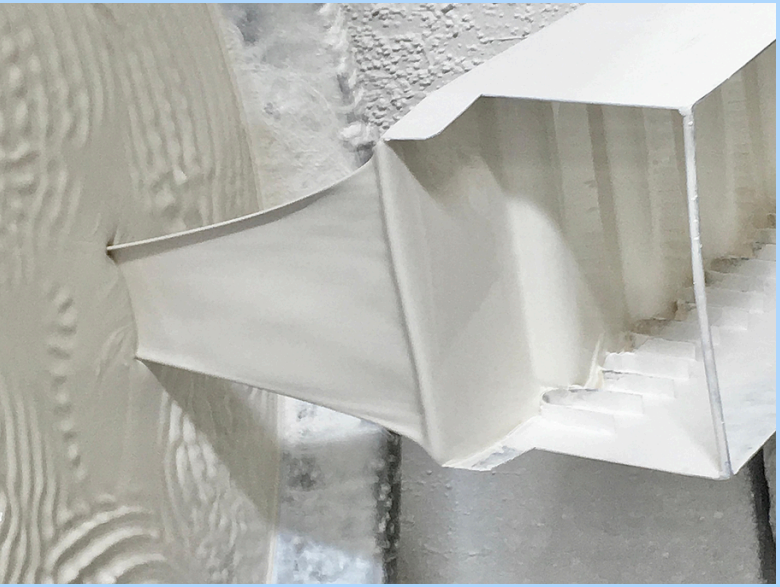
KEY BENEFITS AND FUNCTIONALITY

Our polymers provide superior disaggregation and dispersion in the wet grinding process for various types of clay, ensuring reduced slip viscosity even at high solid levels. They address problems arising due to water hardness, improve grinding efficiency, and prevent clay from settling during long-term storage.

APPLICATION AREAS

- Ceramic Slurry Processing (Wet grinding process)





DISPERSANTS FOR PAINT & PIGMENTS

OUR OFFERINGS

- Sodium Polyacrylate
- Ammonium Polyacrylate
- Acrylic based Homopolymer
- Carboxylate Polymer

KEY BENEFITS AND FUNCTIONALITY

Our polymers deliver superior pigment dispersion, ensuring uniform distribution and spreading of pigments and extenders in paint formulations. They reduce sedimentation and cake formation, providing long shelf stability. They also effectively disperse various types of extenders, fillers, and minerals.

APPLICATION AREAS

- Water-borne paints
- Pigment Slurries

PULP & PAPER

OUR OFFERINGS

- Sodium Polyacrylate
- Ammonium Polyacrylate
- Acrylic based Homopolymer
- Sulphonated Copolymer
- Carboxylate Polymer

KEY BENEFITS AND FUNCTIONALITY

Our polymers effectively inhibit calcium and magnesium salt deposition during pulp cooking and in transfer lines. They enhance de-inking efficiency by dispersing ink particles and preventing their redeposition. They maintain uniform calcium carbonate dispersion in paper coatings and regulate pulp viscosity for smooth, stable processing. Additionally, they improve paper whiteness by effectively arresting ferric and other metal ions.

APPLICATION AREAS

- Paper Manufacturing
- Coating Slurries
- De-inking Processes
- Pulp Treatment
- Scale Control in Paper Mills

TEXTILE PROCESSING

OUR OFFERINGS

- Sodium Polyacrylate
- Acrylic based Homopolymer
- Acrylic Maleic copolymer (Liquid & Powder)
- Sulphonated polymers
- Carboxylate Terpolymer

KEY BENEFITS AND FUNCTIONALITY

Our polymers effectively inhibit calcium and magnesium salt deposition on both fabric and equipment surface, enhancing the efficiency of scouring and de-sizing formulations through efficient dispersion and anti-redeposition of loosened soils and sizes.

They also play a key role in the dyeing process by preventing uneven dyeing, effectively dispersing dyes, and improving dye uptake. Additionally, our polymers enhance the washing process by dispersing dye agglomerates and removing unfixed dyes, while maintaining dyeing efficiency even under hard water conditions.

APPLICATION AREAS

- Textile Auxiliaries
- Dyeing Auxiliaries

MINERAL PROCESSING

OUR OFFERINGS

- Carboxylate Polymer
- Sodium Polyacrylate

KEY BENEFITS AND FUNCTIONALITY

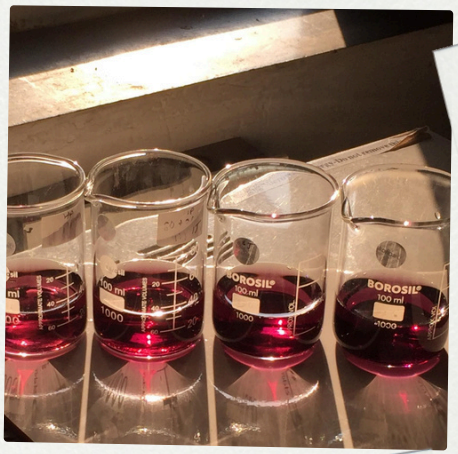
Our polymers work as primary disaggregation aids for various minerals in the wet grinding process. They control the viscosity of mineral slurries and ensure effective grinding by reducing particle size, enabling smoother transport and improved process efficiency. They also help achieve higher solid levels and prevent settling or agglomeration of mineral particles during long-term storage. Additionally, they act as effective antiscalants in the hydraulic transport of slurries.

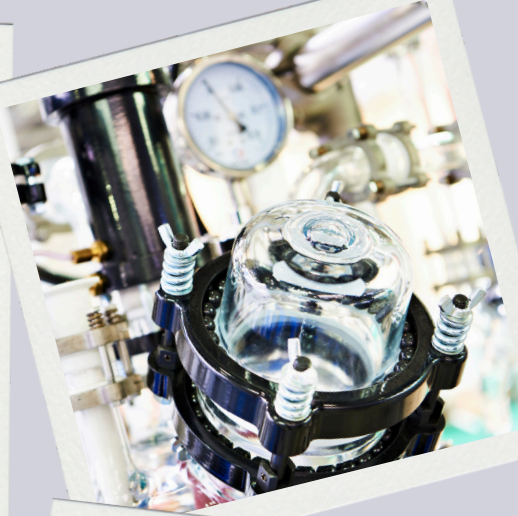
APPLICATION AREA

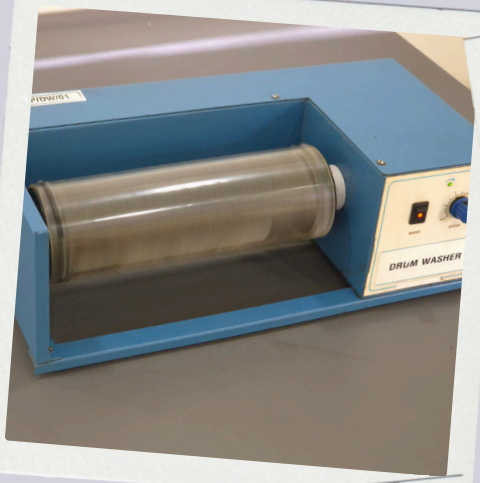
- Wet grinding of Limestone ($CaCO_3$) and other minerals.


DOSING PUMP


140
100
60
20


BOROSIL
BOROSIL




DRUM WASHER

NOTES

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