

Sr. No.	Chemical Nature	Appearance	Solid	pH	Sp. Grvt	Area of Application	Functionalities	Advantages
1	Acrylic Acid Homopolymers	Colorless to pale yellow clear liquid	48%	3.6	1.24	Cooling tower, Boiler, RO and Sugar Antiscalent	Scale Inhibition, Dispersing of insoluble salts	Performs as a scale inhibitors and dispersing agent for calcium carbonates & Calcium sulphates and other sparingly soluble salts. Suitable for both acidic as well as alkaline formulations.
2	Acrylic Acid Homopolymers	Colorless to pale yellow clear liquid	48%	3.5	1.24	Textile auxiliaries	Dispersing & Anti-re-deposition	In textile applications it works as anti-re-deposition aid in scouring process, dye dispersant and washing off agent. In detergent application it works as general dispersing agent and as anti-re-deposition aid.
3	Polycrylic Acid	Colorless to pale yellow clear liquid	50%	2.5	1.2	Textile, Detergents	Dispersing & Chelating agent	Shows synergistic chelating performance with phosphonates like HEDP, DETMP. Perform as effective dispersing and anti-re-deposition agents.
4	Acrylic acid sulphonated copolymer	Colorless to pale yellow clear liquid	43%	4	1.2	Cooling tower & Boiler	Scale inhibition, Dispersing of insoluble salts	Provides very good inhibition of carbonates, phosphates, sulphates etc, can tolerate iron, Performs as a dispersing agent for insoluble scales, stable at high hardness and high TDS. Contributes towards corrosion inhibition performance of the formulation.
5	Acrylic / nonionic / sulphonated terpolymer	Colorless to pale yellow clear liquid	45%	2.5	1.2	Cooling tower, Boiler & RO	Scale Inhibition, Dispersing of insoluble salts	Performs as inhibitors for carbonate, sulphates phosphates etc. Withstand stress conditions like high temperature, high pressure performs well in presence of soluble iron. Contributes towards corrosion inhibition.
6	Acrylic / maleic copolymer	Colorless to pale yellow clear liquid	50%	4	1.2	Textile & Detergents	Dispersing & Anti-re-deposition	In textile applications it works as anti-re-deposition aid in scouring process, dye dispersant (dye bath conditioner) and washing off agent. In detergent application it works as general dispersing agent and as anti-re-deposition aid.
7	Acrylic / maleic copolymer	Colorless to pale yellow clear liquid	39%	8	1.3	Textile & Paper Coating	Dispersing & Chelating agent	Provide same properties as Respers CA 3249 In textile application. Also works as a dispersing agent for paper coating slurry.
8	Sodium Polyacrylate	Colorless to pale yellow clear liquid	45%	7	1.3	Ceramic, Textile & Detergents	Dispersing / Deflocculating, Anti-re-deposition & Viscosity reduction	In textile applications it works as anti-re-deposition aid in scouring process, dye dispersant and washing off agent. In detergent application it works as general dispersing agent and as anti-re-deposition aid. In addition provides benefit of anti-incrustation (anti/graying of fabrics) in detergent application. Works as primary deflocculating agent to reduce the viscosity and improve flowability of ceramic slurries.
9	Acrylic / Maleic sulphonated terpolymer	Colorless to pale yellow clear liquid	45%	7	1.2	Water treatment, Textile	Dispersing, Chelation and Inhibition	Provides inhibition of carbonates, sulphates etc. Forms chelates with iron and other metallic impurities. Shows synergistic action with phosphonates especially for iron chelation. Also works as general dispersing agents.
10	Ammonium Polyacrylate	Colorless to pale yellow clear liquid	42%	8.5	1.19	Paint & Coating	Dispersing & Viscosity reduction	Primary dispersing agent for inorganic pigments. Better rubbing fastest and prolong dispersion stability.
11	Polymaleic acid	Light amber clear liquid	50%	<2	1.19	Water treatment applications like RO, seawater evaporators & cooling tower, oilfield etc. Detergents, sugar evaporators	Dispersing & Scale inhibition, corrosion control	Provides excellent scale & corrosion inhibition. Performs as effective silica inhibitor & calcium silicate, stable to chlorine & other oxidizing agents. Stable at wide pH range.