

MAXINOL 5400

Acrylic Terpolymer

Water Treatment Polymer

PRODUCT FEATURES

Maxinol 5400 is low molecular weight carboxylate sulfonate terpolymer. It is used in cooling water and boiler water treatment formulations to provide optimum dispersancy for all types of scalants and particulate fouling. Maxinol 5400 is particularly effective in controlling calcium phosphate precipitation at high pH, calcium hardness and in presence of iron where co-polymers have limited effectiveness. It also works as a strong dispersant, holding silt and other suspended solids in suspension and preventing fouling. It offers higher solubility for salts, works as a crystal modifier and has high dispersing activity. Besides typical scale forming salts, Maxinol 5400 stabilizes phosphonates under highly alkaline conditions.

SPECIFICATIONS

Appearance	:	Clear pale yellow to yellow liquid.
Nature	:	Terpolymer
Grade	:	Carboxylate/sulphonate/Nonionic
pH (as is)	:	2.5-4.0
Total Solids (%)	:	43.5 ± 0.5%
Specific gravity at 25° C	:	1.15-1.20 gm/cc
Average molecular weight	:	Approx.8000
Brookfield viscosity at 25°C	:	150 – 400 cps
Solubility in Water	:	Freely soluble at all use levels

(These are typical values and not specifications)

MAJOR BENEFITS

Excellent dispersions due to sulphonate groups, carboxylate groups and nonionic groups. These different groups offer different properties such as adsorption on the particle, ionic repulsion and steric repulsion thus preventing settling offers effective dispersions.
Excellent thermal & chemical stability.
Controls calcium phosphate precipitation under high stress conditions like high pH, high hardness and temperature.
High Iron tolerance and dispersion capabilities.

SAFETY AND HANDLING

Maxinol 5400 is generally safe but avoid contact with eyes and skin. Do not take internally. Gloves & goggles should be used while handling the product. Please refer MSDS for detailed information.

STORAGE

Maxinol 5400 is non-flammable, non-combustible. It should be stored under shade. The product should not be exposed to direct sunlight.

PACKING

60 kg carboys, 250 kg barrels and 1150 kg IBCs