



Uniphos Chemicals

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XF-333EG (ATMP) Electronic Grade

XF-333EG is an aqueous solution of amino trimethylene phosphonic acid. XF-333EG is widely used as a sequestering agent and calcium carbonate scale inhibitor for applications in industrial water treatment, industrial cleaning, oil production and textile bleaching.

Abbreviation	ATMP
Molecular Formula	C ₃ H ₁₂ NO ₉ P ₃
Commercial Form	Aqueous solution
Molecular Weight	299
Chemical Abstracts Name	Amino tri (methylene phosphonic acid)
CAS Number	6419-19-8
Application Notes	Cooling water treatment, boiler treatment, I & I Cleaners, Metal Ion Control, Oil Field

Physical and Chemical Properties

Appearance	Clear water white to pale yellow liquid
Active acid, %	50.0 – 52.0
Chlorides (as Cl), %	0.5 max
Total Iron, as Fe, ppm	10 max
pH, 1% solution	1.2-1.8
Density @ 20°C, g/cm³	1.31 – 1.37
Color, APHA	100 Max.
Ca, ppm	50 max.
Na, ppm	50 max.
Pb, ppm	1 max.
As, ppm	1 max.

Packaging

PE drum and IBC/Tote