



Uniphos Chemicals

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XF-322 (MA/AA)

XF-322(MA/AA) is an aqueous solution of a polymer based on maleic anhydride. It provides excellent scale control in industrial cooling water systems. In combination with phosphonates, it gives excellent control of calcium carbonate and calcium sulphate deposition, and can be applied to formulate very cost-effective zinc-based corrosion inhibitor formulations.

Abbreviation	MA/AA or HPMA
Chemical Name	Copolymer of Maleic acid
Commercial Form	Aqueous Solution
Recommended Uses	Cooling water systems, Cleaning compounds, Pulp & paper process, Reverse osmosis systems, Oilfield injection systems

Typical Properties

Appearance	Clear amber liquid
Solids content (%)	≥48.0%
pH (1% solution) @ 25°C	2.0-3.0
Specific gravity (20°C, g/cm³)	≥1.20

Packaging & Safety

210L HDPE Drum; 1000L IBC(tote); Isotank
MSDS is available upon request.