



Uniphos Chemicals

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XF-337 (HMDTMPA.K6)

NSF Certified

XF-337(HMDTMPA.K6) is an excellent CaSO_4 inhibitor and recommended for systems with high alkalinity and pH. Based on Hexamethylene Diamine Tetra (Methylene Phosphonic Acid), recommended applications for **XF-337** include boiler water treatment and reverse osmosis desalination.

Abbreviation	HMDTMPA.K6
Molecular Form	$\text{C}_{10}\text{H}_{22}\text{N}_2\text{O}_{12}\text{P}_4\text{K}_6$
Molecular Weight	721
Chemical Name	Hexamethylenediamine Tetra(Methylene Phosphonic Acid), Potassium Salt
CAS Number	38820-59-6 (x-K), 53473-28-2 (6-K)

Typical Properties

Appearance	Water white to pale yellow liquid
Active Acid (%)	21.0-25.0
Active Salt (%)	31.0 – 36.0
Chlorides (as Cl, %)	< 4.0
Iron (as Fe, ppm)	35 max.
pH (1% solution) @ 25°C	6.0 – 7.0
Specific Gravity @ 20°C	1.255 -1.30
Phosphorous Acid (%)	2.0 max.

Packaging

PE drum, IBC/Tote
MSDS is available upon request.