



Uniphos Chemicals

No. 8, Tonghai 2nd Road
Rudong, Nantong 226407, China

Tel.: +86-513-6990 8111 Fax: +86-513-6990 8155

XF-333S (ATMP.Na5)

Scale & Corrosion Inhibitor

Certified by NSF

XF-333S is an aqueous sodium solution of amino trimethylene phosphonic acid (ATMP). ATMP 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.Na5
Chemical Name	Sodium salt of Amino Tri(Methylene Phosphonic Acid)
Molecular Formula	C ₃ H ₇ NO ₉ P ₃ Na ₅
Molecular Weight	409
CAS Number	2235-43-0 (5-Na), 20592-85-2 (X-Na)
Application notes	Good scale inhibitor. Corrosion inhibitor with zinc and phosphates.

Typical Properties

Appearance	Clear, water white to pale yellow solution
Active %, as acid	27.8 – 30.7
Active %, as salt	38.0 – 42.0
pH, 1% solution @ 25°C	10.0 – 11.0
Specific gravity @ 20°C, g/cm³	1.38 – 1.48
Iron, as Fe, ppm	35 max
Chlorides, as Cl⁻, %	1.0 max

Packaging:

PE drum, IBC/Tote or Bulk Tank