



# Uniphos Chemicals

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## XF-333 (ATMP) Scale Inhibitor

**Certified by NSF**

**XF-333** is an aqueous solution of amino trimethylene phosphonic acid. XF-333 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. **Uniphos Chemicals** is a key manufacturer of this chemical in markets.

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

### Physical and Chemical Properties

<b>Appearance</b>	Clear water white to pale yellow liquid
<b>Active content, %</b>	48.0 – 52.0
<b>pH, 1% solution @ 25°C</b>	2.0 max
<b>Specific gravity @ 20°C, g/cm<sup>3</sup></b>	1.28 – 1.38
<b>Iron, as Fe, ppm</b>	20 max
<b>Chlorides (as Cl), %</b>	2.0 max

### Packaging & Safety

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