



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Phosphonates

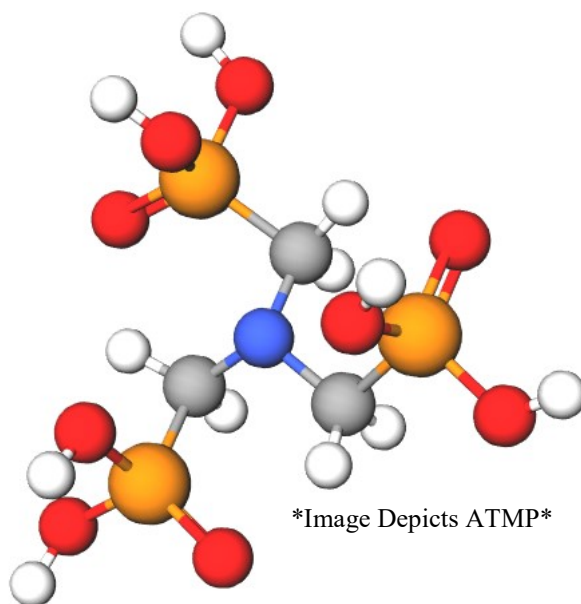
Technical Data Sheet

ATMP-Na5

NorthQuest 6405, Amino Trimethylene Phosphonic Acid Pentasodium salt (ATMP-Na5), is an effective chelating agent and scale inhibitor. It is used mostly in industrial cleaning, cooling water treatment, oil field applications, and boiler treatment. NorthQuest 6405 is freely miscible in water, and immiscible in alcohols and organic solvents. CAS#: 2235-43-0

Technical Specifications: C₃H₇NO₉P₃Na₅

Appearance	Colorless, to pale yellow, liquid
Active Acid (ATMP), %	27.8 - 30.7%
Active (ATMP-Na5), %	38 - 42%
pH (1% solution)	10 - 11
Specific Gravity @ 25°C	1.320 - 1.420
Percent Volatile, by weight	58 - 62%
Brookfield Viscosity @25°C	< 100
Sequestering Value	200 mg CaCO3 min



Packaging: Available in 551lb drums and 2755lb totes. Small packs available by request.

Storage: Store in a cool, dry area. Keep containers closed when not in use.

Shelf Life: At least three years if properly stored in unopened container.

Safety: See MSDS for specific information.



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