



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

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Since 1921

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Phosphonates

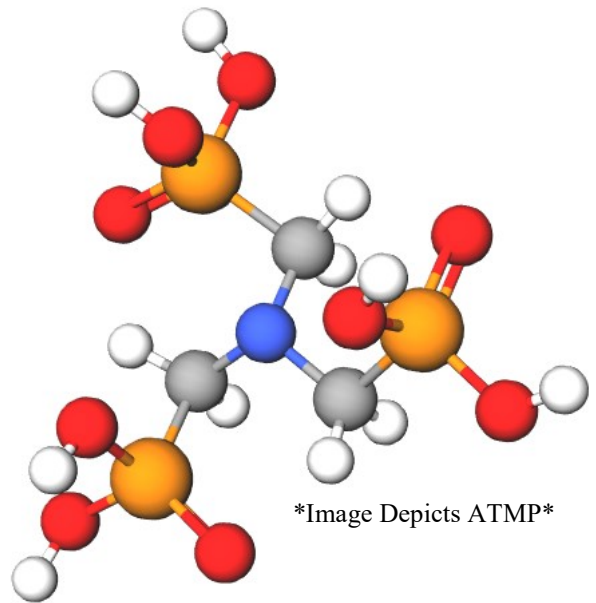
## Technical Data Sheet

### 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: $C_3H_7NO_9P_3Na_5$

Appearance	Colorless, to pale yellow, liquid
Active Acid (ATMP), %	29 - 31%
Active (ATMP-Na5), %	38 - 42%
pH (1% solution)	10 - 11
Specific Gravity @ 25°C	1.35 - 1.45
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 five years if properly stored in unopened container.

**Safety:** See MSDS for specific information.



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