



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Phosphonates

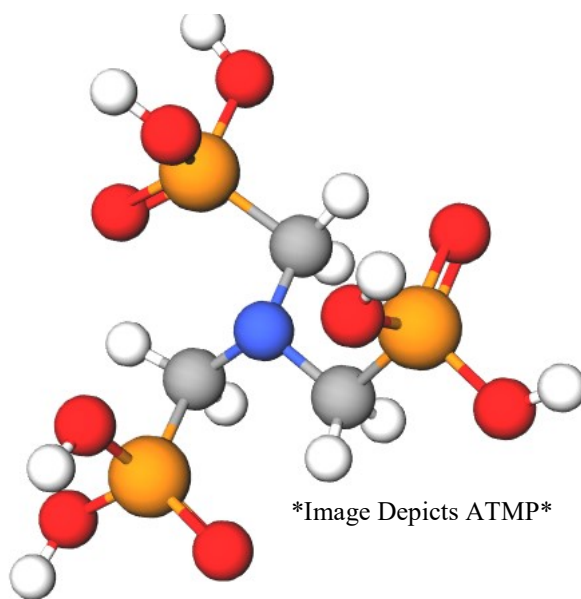
Technical Data Sheet

ATMP-Na5 NorthQuest 6405

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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