



**NORTH METAL & CHEMICAL COMPANY**  
*World Class Molybdenum & Tungsten Compounds*  
 Since 1921

PHOSPHONATES

NORTHQUEST 6405 - Technical Data Sheet

NQ 575\_090216

# Technical Bulletin

**About us.....**

- Founded in York, PA in 1921, NM&C remains a financially stable, family owned producer of World Class Molybdenum & Tungsten compounds serving the Metal Finishing, Agriculture, Water Treatment, Pigment, and Antifreeze markets worldwide.
- NM&C maintains over \$2 million inventory of finished goods and ore concentrates to guarantee our customers a stable and secure source of molybdate in the event of a crisis or shortage.
- All orders for one drum to truckload quantities are shipped the next business day or as requested.
- NM&C molybdates are American Made and backed by full 'Cradle-to-Grave' product liability.
- NM&C is unrivaled in customer service and technical support.
- Strict Quality Assurance programs and ISO 9002 practices assure products of the highest quality and consistency.



## NORTHQUEST 6405 (ATMP-Na5)

**Description:** NorthQuest 6405, Aminotri (methylenephosphonic acid) Pentasodium salt, is an effective chelating agent and scale inhibitor. Used mostly in industrial cleaning, cooling water treatment, oil field applications, and boiler treatment.

**Technical Specifications:** CAS No. 2235-43-0

Appearance	Clear to pale yellow liquid
pH (1% solution)	10—11
Specific gravity @ 25° C	1.35—1.45
Active Acid (%)	29-31%
% Active Sodium Salt Solution	38-42%
Percent Volatile (By weight)	58-62%
Brookfield Viscosity, cps at 25°C	< 100
Sequestering Value, min	200 mg CaCO3

**APPLICATION:** NorthQuest 6405 (ATMP-Na5) is freely miscible in water, immiscible in alcohols and organic solvents. It is used mostly in industrial cleaning as an effective chelating agent and scale inhibitor.

**PACKAGING:** Available in 551.16 lb. (250 Kgs) drums.

**SAFETY:** Refer to MSDS for precautions.



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