



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Phosphonates

## Technical Data Sheet

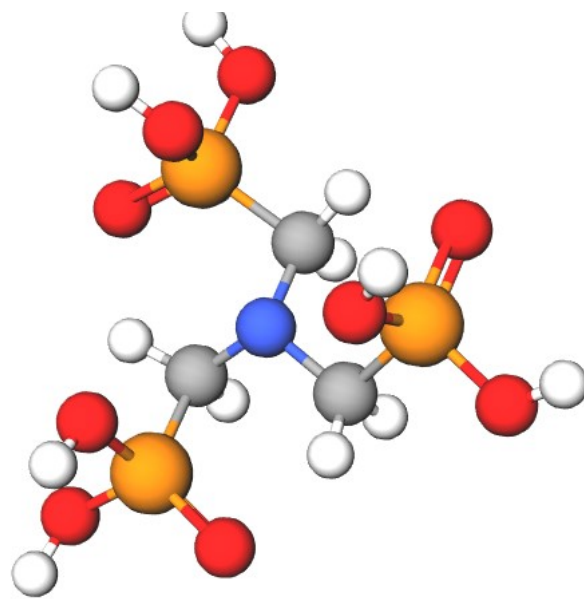
# AMINO TRIMETHYLENE PHOSPHONIC ACID

## NorthQuest 6400

Amino Trimethylene Phosphonic Acid (ATMP) is freely miscible with water, alcohol and organic solvents. It is very stable over wide pH and temperature ranges. ATMP is used as a scale and corrosion inhibitor, deflocculant, sequestrant, and water stabilizer in cooling and boiler water treatment systems. CAS#: 6419-19-8

### Technical Specifications: C<sub>3</sub>H<sub>12</sub>NO<sub>9</sub>P<sub>3</sub>

Appearance	Colorless to pale yellow liquid
Assay, % ATMP	48.0 - 53.0
Molecular weight	299.1
pH (1% solution)	2.0 max
Specific Gravity @ 20°C	1.28 - 1.38
Phosphorous Acid (PO <sup>3</sup> )	4.5% max
Crystallization Point, °C	~ -12°C
Color, APHA	100 max
Iron (Fe), ppm	20.0 max



**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:** ATMP is corrosive to the skin and eyes. Inhalation of vapors may irritate the respiratory tract. Refer to MSDS for additional precautions



ATMP – Technical Data Sheet