



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

609 E. King St.  
York, PA 17403

Phone: (717) 845-8646  
Email: north@northmetal.net  
Web: www.northmetal.net

Phosphonates

## Technical Data Sheet

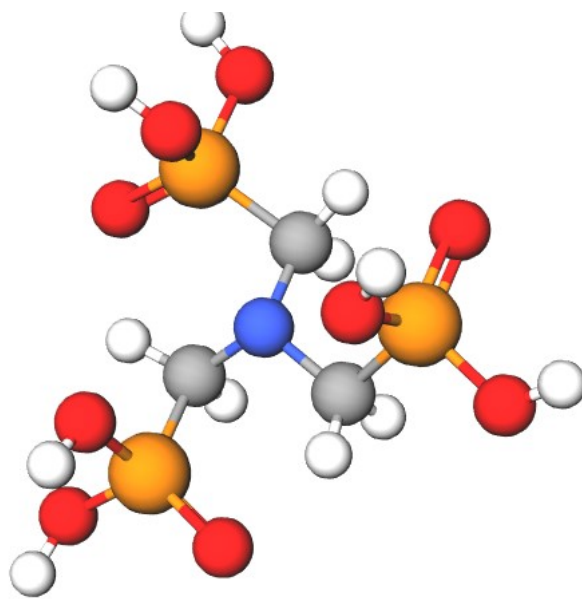
# AMINO TRIMETHYLENE PHOSPHONIC ACID

## 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: $C_3H_{12}NO_9P_3$

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 ( $PO^3$ )	4.5% max
Crystallization Point, °C	~ -12°C
Color, APHA	100 max
Iron (Fe), %	0.001% 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