



# 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

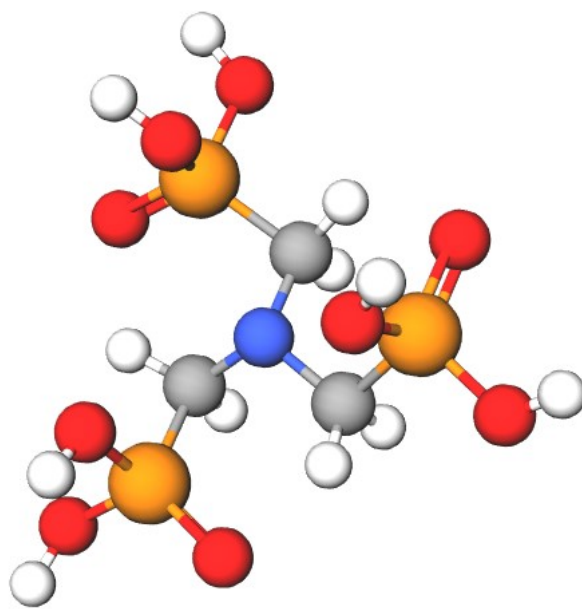
## Technical Data Sheet

### AMINO TRIMETHYLENE PHOSPHONIC ACID

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), %	0.001% max



**Packaging:** Available in 55lb 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