



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

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Since 1921

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Phosphonates

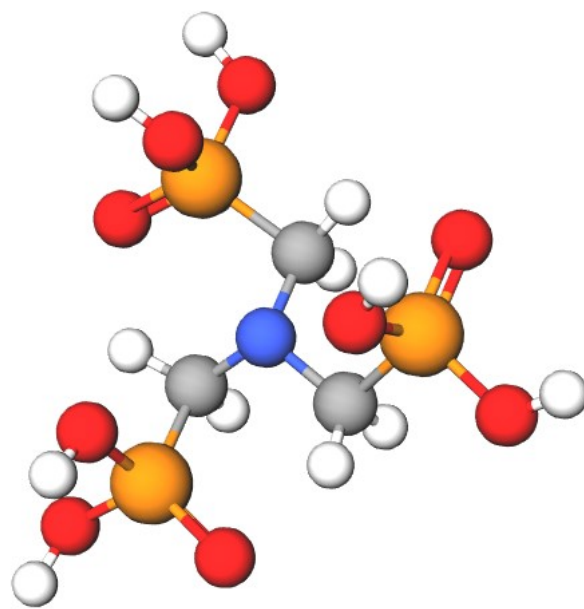
## Technical Data Sheet

### 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: $C_3H_{12}NO_9P_3$

Appearance	Colorless to pale yellow liquid
Assay, % ATMP	49.0 min
Molecular weight	299.1
pH (1% solution)	2.0 max
Specific Gravity @ 20°C	1.28 - 1.38 (11.1 lbs/gal)
Phosphorous Acid ( $PO^3$ )	4.5% max
Crystallization Point, °C	~ -12°C
Color, APHA	125 max
Iron (Fe), %	0.0035% max



ATMP – Technical Data Sheet

**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 five 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

