



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Phosphonates

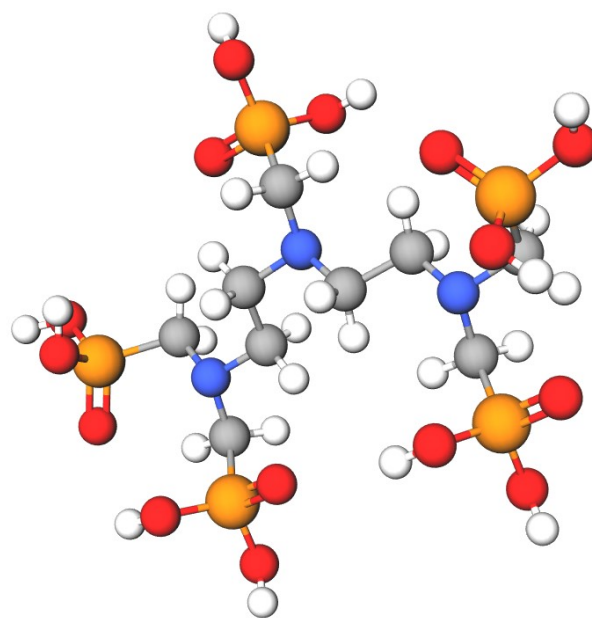
## Technical Data Sheet

### DTPMPA - Diethylenetriamine Penta Methylene Phosphonic Acid

NorthQuest 6200, Diethylenetriamine Penta Methylene Phosphonic Acid (DTPMPA) works well as a scale inhibitor and dispersing agent for use in industrial water treatment programs; when used at high alkali and temperatures (above 210°C) it is more effective than other phosphonates. DTPMPA is a very good inhibitor of the precipitation of barium sulfate. CAS#: 15827-60-8

#### Technical Specifications: $C_3H_7NO_9P_3Na_5$

|                            |                          |
|----------------------------|--------------------------|
| Appearance                 | Brown Transparent Liquid |
| Molecular Weight           | 573                      |
| Active Content (DTPMPA), % | 48 - 52%                 |
| pH (1% solution)           | 2.0 max                  |
| Specific Gravity @ 25°C    | 1.35 - 1.45              |
| Freezing Point             | -25°C                    |
| Chloride (Cl), ppm         | 20 max                   |
| Iron (Fe), ppm             | 20 max                   |



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**Packaging:** Available in 55lb drums and 275lb 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:** Non-hazardous. Non-flammable. See MSDS for specific information.

