



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

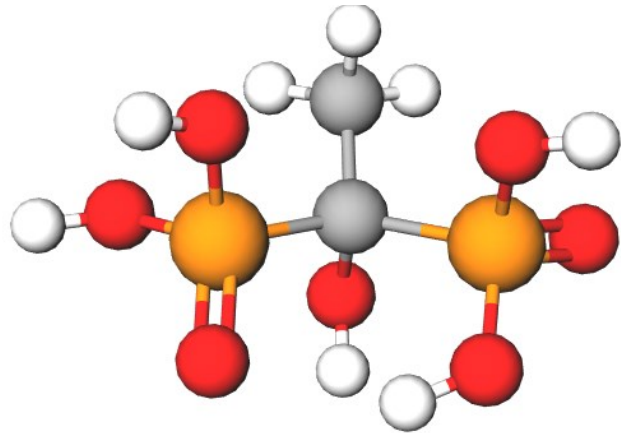
Technical Data Sheet

Tetra Sodium Salt of Hydroxyethylidene Diphosphonic Acid *NorthQuest 6604*

Tetra Sodium Salt of Hydroxyethylidene Diphosphonic Acid, **HEDP-Na4**, is our Neutralized HEDP solution used as a scale and corrosion inhibitor, deflocculant, sequestrant, water stabilizer in water treatment pipelines, and detergents with high temperature and pH values. It is freely miscible in water, alcohol, and organic solvents. CAS#: 3794-83-0

Technical Specifications: $C_2H_8Na_4O_7P_2$

Appearance	Clear, to pale yellow, liquid
Active Content as HEDP, %	20.0 - 23.0 %
Active Content as HEDP-Na ₄ , %	28.5 - 31.5 %
Total Phosphoric Acid, PO ₄ ³⁻ , %	18.4 - 20.4 %
pH (1% solution)	10.0 - 12.0
Specific Gravity @ 25°C	1.260 - 1.360
Color, APHA	100 max
Iron (Fe), ppm	20 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: Refer to SDS for precautions.



HEDP-Na4 – Technical Data Sheet