



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Phosphonates

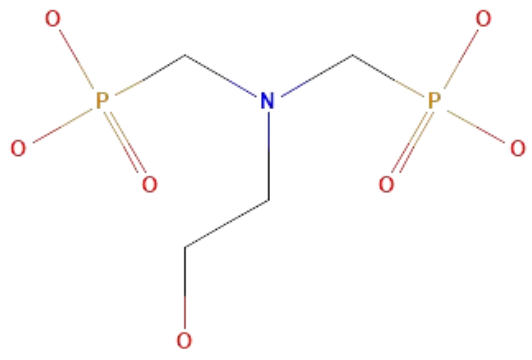
Technical Data Sheet

HEMPA - Hydroxyethylamino-Di(Methylene Phosphonic Acid) *NorthQuest 6900*

NorthQuest 6900, Hydroxyethylamino-Di(Methylene Phosphonic Acid) (HEMPA) is an organophosphoric acid, which exhibits excellent chelation, scale inhibition, and corrosion inhibition. HEMPA is especially useful in the water systems with high levels of dissolved iron and calcium. It is also compatible with methanol/water solution. CAS#: 5995-42-6

Technical Specifications: C₄H₁₃NO₇P₂

Appearance	Colorless to Pale Yellow Liquid
Molecular Weight	249
Active Content %	60% min
pH (1% solution)	2.0 max
Specific Gravity @ 20°C	1.30 min
Freezing Point	-10°C
Chloride (Cl), %	5.0 max
Iron (Fe), ppm	30 max



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 three years if properly stored in unopened container.
Safety: Non-hazardous. Non-flammable. See MSDS for specific information.



HEMPA - Technical Data Sheet