



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

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Since 1921

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Polymers

Technical Data Sheet

NorthQuest 161 (PCA)

NorthQuest 161 polymer combines features of both Phosphonates and Polyacrylates to deliver a unique balance of threshold inhibition and dispersion. This product is resistant to chlorine and compatible with most microbiological control agents. NQ161 is a highly effective scale control agent and dispersant used primarily in boilers and industrial cleaning. It effectively disperses particulate matter such as silt and clay and eliminates the need for phosphonates and acrylate polymers in many formulations. The product is nonfoaming and has good environmental acceptability. CAS# 71050-62-9

Technical Specifications: CH₃O₂P

Appearance	Colorless, to pale yellow, liquid
Solids Content, %	50 -57%
pH (1% solution)	3.0 - 4.5
Specific Gravity @ 25°C	1.20 - 1.25
Viscosity @25°C, cPs	500 - 2000
Sequestration Value; (mg CaCO ₃ /g)	1000 mg max
Acid Value, mg NaOH/mL	200 - 400 mg
Color, APHA	35 max

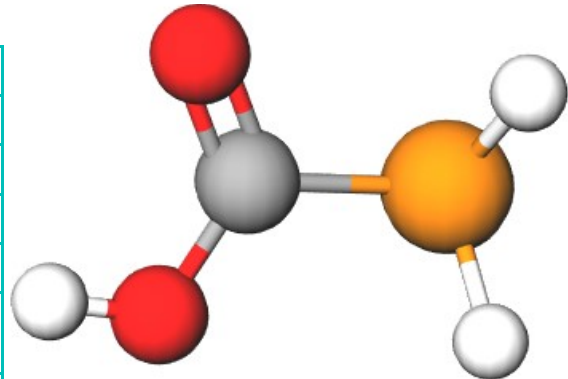


Image depicts Phosphinocarboxylic Acid

Packaging: Available in 529lb drums and 2646lb 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: Refer to MSDS for additional precautions.



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