



NORTH METAL & CHEMICAL COMPANY
World Class Molybdenum & Tungsten Compounds
 Since 1921

POLYMER

Technical Bulletin

NORTHQUEST 400 - Technical Data Sheet

About us.....

- Founded in York, PA in 1921, NM&C remains a financially stable, family owned producer of *World Class Molybdenum & Tungsten compounds* serving the Metal Finishing, Agriculture, Water Treatment, Pigment, and Antifreeze markets worldwide.
- NM&C maintains over \$2 million inventory of finished goods and ore concentrates to guarantee our customers a stable and secure source of molybdate in the event of a crisis or shortage.
- All orders for one drum to truckload quantities are shipped the next business day or as requested.
- NM&C molybdates are American Made and backed by full 'Cradle-to-Grave' product liability.
- NM&C is unrivaled in customer service and technical support.
- Strict Quality Assurance programs and ISO 9002 practices assure products of the highest quality and consistency.



NORTHQUEST 400

Description: NorthQuest 400 antiscalant has been developed as a calcium phosphate inhibitor and a multifunctional formulation support agent in industrial water systems and other related applications. The active ingredient of NorthQuest 400 is Phosphinocarboxylic Acid Co-Polymer. NorthQuest 400 is not affected by chlorine or other oxidizing biocides under normal use conditions. Test for compatibility with long chain nitrogen compounds, aliphatic amines and quaternary ammonium compounds.

Technical Specifications: (Phosphinocarboxylic Acid Co-Polymer)

Appearance	Clear to Light Yellow Turbid Liquid
Nature	Phosphinocarboxylic Acid Co-Polymer
pH (as-is) @ 25° C	1.5—2.5
Density @ 25° C	1.22 - 1.25 g/cm3
Viscosity, cps @ 25° C Brookfield	225—450 cps
Total Solids, (%)	48 -52%
Solubility in Water	Complete

APPLICATIONS: NorthQuest 400 provides excellent calcium phosphate and calcium carbonate inhibition with compare to sulfonated polymers. Excellent thermal and chemical stability offering increased shelf life.

PACKAGING: Available in 551.15 lb. (250 Kg) drums.

SAFETY: Refer to MSDS for precautions.



NORTH METAL & CHEMICAL CO.
 P.O. Box 1904, 609 E. King St.
 York, PA 17402

Phone: (717) 845-8646
 FAX: (717) 846-7350
 Email: north@nmc-nic.com
 Web: www.nmc-nic.com