



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

POLYMER

Technical Bulletin

TDS-NQ1000_020110

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 1000

Description: NorthQuest 1000 is a low molecular weight, 48% PolyAcrylic Acid homopolymer. It is highly effective as a dispersant & scale inhibitor in industrial water treatment, boiler water treatment as well as all water based systems. This product has good thermal stability to oxidizing agents like chlorine. It is non-foaming providing good environmental acceptability.

Features:

- Excellent dispersant
- Low threshold inhibition
- Good thermal stability to oxidizing agents like Chlorine
- Non-foaming
- Good environmental acceptability

Technical Specifications: (polyacrylic acid homopolymer)

Appearance	Clear, pale yellow to yellow liquid
Molecular Wgt.	2000
pH (neat)	3.20—4.0
Specific Gravity @ 25° C	1.20—1.22
Viscosity, 25° C, cps	100 –400 cps.
Total Solids	47—49%

APPLICATIONS: NQ 1000 homopolymer inhibits deposition of calcium/magnesium (carbonates, sulphates), barium sulphate and other low solubility salts, which are responsible for the depositions of scale. The low molecular weight polymer shows good activity over a wide range of pH, high water hardness and temperature without precipitation.

PACKAGING: Available in 551.15 lb. drums.

SAFETY: Refer to MSDS for precautions.



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NORTHQUEST 1000 - Technical Data Sheet