



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

POLYMER

Technical Bulletin

NQ 6000TB_110614

NORTHQUEST 6000 - 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 6000

Description: NorthQuest 6000 water treatment terpolymer is a unique combination of specialty monomers to control Silica and Silicates in aqueous systems such as Cooling towers and Boilers. This highly effective proprietary terpolymer also controls both dried iron oxide and the more prevalent and difficult to control hydrated iron oxide in condensate return and well water.

Features:

- Excellent Silica and Silicate control under highly stressed conditions.
- Superior inorganic particulate dispersant for Iron Oxide and Hydroxyapatite.
- Helps keep surfaces clean for maximum heat transfer and corrosion resistance through effective boiler sludge control.
- Excellent alternative to the more costly Akzo Nobel Versaflex® SI.

Technical Specifications: (Terpolymer)

Appearance	Clear Colorless to Pale Yellow Liquid
Nature	Acidic
pH (neat)	2.00—4.00
Specific gravity @ 25° C	1.20 ± .05
Viscosity, cps	100—300 cps
Total Solids (%)	44.5—45.5%
Molecular Weight	~ 7200

APPLICATION: NorthQuest 6000 terpolymer is highly resistant to breakdown in aqueous solution under conditions of high temperature, pressure, and pH. NorthQuest 6000 terpolymer in synthetic boiler water show no significant breakdown at 250°C (600 psig or 4 2kg/cm²).

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

SAFETY: Refer to MSDS for precautions.



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