



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

POLYMER

NORTHQUEST 2050 - Technical Data Sheet

TDS2050\_032510rev

# Technical Bulletin

## NORTHQUEST 2050

**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.



**Description:** NORTHQuest 2050 is a low molecular weight partially neutralized acrylic acid/acrylamide co-polymer. It is highly effective as a dispersant and scale inhibitor in industrial water treatment, boiler water treatment, detergent as well as in all types of water based systems.

**Features:**

- Excellent Dispersant
- Low threshold inhibition
- An excellent alternative to the Buckman BSI 75

**Technical Specifications:** (AA/Acrylamide Co-polymer)

Appearance	Clear, colorless to pale yellow liquid
Nature	Almost neutral
pH (neat)	4.0—4.5
Specific Gravity @ 25° C	1.16—1.20
Viscosity @ 25° C, cps	100—200 cps
Molecular weight	3500
Total Solids	Min. 45%

**APPLICATIONS:** NorthQuest 2050 inhibits deposition of calcium/magnesium (carbonates, sulphates), barium sulphate and other low solubility salts, which are responsible for the depositions of scales on surfaces. The low molecular weight polymer show good activity over a wide range of pH, high water hardness and temperature without precipitation. The product is non-foaming providing good environmental acceptability.

**PACKAGING:** Available in 551.15 lb. 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