



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

# Technical Bulletin

NQ 5000DRY 0603 2015

**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 544(5000 DRY)

**Description:** NorthQuest 5000 DRY is a low molecular weight carboxylate sulfonate water treatment terpolymer. Its unique combination of specialty monomers does an excellent job in controlling calcium carbonate and calcium phosphate even in the presence of heavy metals. 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.

**Technical Specifications:** (Carboxylate/Sulfonate/MaleicTerpolymer)

Appearance	White to light amber powder; free-flowing
Nature	Acidic
pH (1% solution)	5.5—7.00
Solubility in Water	100%
Loss on drying	2% max
Total Solids (%)	90.0—94.5%
Molecular Weight	~ 5000

**APPLICATION:** NorthQuest 5000 DRY terpolymer is highly resistant to breakdown in aqueous solution under conditions of high temperature, pressure, and pH.

**PACKAGING:** Available in 44.1 lb. bags.

**SAFETY:** Refer to MSDS for precautions.



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