



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

NQ 2261 Version150826

Dry Polymer

Technical Bulletin

NORTHQUEST 5410

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: *Homo Polymer of Acrylic Acid*

NorthQuest 5410 is a cost effective, powder scale inhibitor concentrate manufactured for use in industrial water treatment & detergent industries to mitigate mineral scale deposits. It is a low molecular weight homo-polymer of acrylic acid that works primarily by increasing solubility of inorganic salts such as carbonates, phosphates, sulfates through threshold inhibition & dispersion. It formulates readily with various dry additives including phosphonates & inorganics to furnish a synergistic line of industrial water treatment products that are not only more economical, but can save ware-housing space & lower handling risk over their liquid counterparts.

Technical Specifications:

| | |
|-------------------------|--------------------|
| Appearance | Fine powder |
| pH (1% solution) | 3.00 - 6.00 |
| Color (Gardener) | White to off-white |
| Bulk Density | 0.2 - 0.6 |
| Loss on Drying (@105 C) | 5.0 % max |
| Solubility | 99.8 % min. |

| <u>Typical Formulation of Dry Products</u> <u>(Dosage=25ppm)</u> | <u>Water Hardness > 20-30 ppm</u> |
|---|--------------------------------------|
| Sodium Molybdate Dihydrate | 40% |
| NORTHQUEST 5660 (HEDP-Na4 dry) | 10% |
| NORTHQUEST 5410 | 25% |
| NORTH Tolyltriazole Granular | 10% |
| Sodium Bicarbonate | 15% |

Packaging: Available in 55 lb. bags.

Storage: Store in a cool, dry well-ventilated area. Keep containers closed when not in use. Keep product isolated from incompatible materials/conditions. Avoid exposure to extreme temperatures, contact with incompatible chemicals, and uncontrolled contact with accelerants.

Shelf Life: At least one year if properly stored in unopened container.

Safety: Refer to MSDS for specific information.



NORTH METAL & CHEMICAL CO.
 P.O. Box 1985, 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

NORTHQUEST 5410 - Technical Data Sheet