



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

Technical Bulletin

NORTHQUEST 4100

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 4100 is a multipurpose biopolymer. Sodium Salt of Polyaspartic Acid, Sodium Polyaspartate, or PASP for short, has a molecular structure that makes it a good dispersing agent, corrosion inhibitor, biodegradable, and environmentally friendly.

Features:

- Excellent Scale Inhibition (Scale Inhibition rate for CaCO₃ is 100%)
- Excellent dispersion properties
- Used widely in industrial water treatment
- Can be used as a fertilizer synergist. Adding it to urea can improve fertilizer efficiency by 20 - 40%

Technical Specifications:

Form	Yellow to Umber liquid
Nature	Basic
Color, APHA	200 max
Molecular Weight	1000 - 5000
Solid content, % wt.	40.0 min.
pH Value (1% solution)	9.0 - 11.0
Specific Gravity @ 25° C	1.20 min
Viscosity; Brookfield @ 25° C, mPa.s	30 - 60 at 20°C

APPLICATIONS: NorthQuest 4100 is a versatile product that can fit many needs, from water treatment to agriculture. It also benefits from being a "green" product.

PACKAGING: Available in 250kg. (551.15 lb.) non-returnable drums.

SAFETY: Refer to MSDS for precautions.



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