



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

NQ 3150 11.15.2012

Polymer

Technical Bulletin

NORTHQUEST 3150

NORTHQUEST 3150 - 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.



Description:

A non-phosphorous based terpolymer consisting of carboxylic, sulfonic, and nonionic functional groups. These groups synergize to produce superior scale inhibition and dispersant as compared with homopolymers and copolymers consisting of the same chemical groups. Inhibits scale resulting from calcium/magnesium carbonate, calcium phosphate, and barium sulfate. Effective dispersion of iron oxide particles accumulated as a result of natural biological processes, by-products of corrosion and boiler condensate return, as well as stabilizing Iron (Fe³⁺) and Zinc (Zn²⁺) metal ions prevalent in the make-up and feed water.

- High Thermal Stability.
- Excellent Calcium Carbonate (Ca²⁺) and Calcium Phosphate inhibition resulting from high Ca²⁺ sequestration value.
- Provides excellent stability to metal oxides required for passivation.
- Will not contribute to additional phosphorous content in system.
- High compatibility with other water treatment ingredients used in boiler and cooling tower.

Technical Specifications:

Appearance	Clear, Colorless to Pale Yellow Liquid
pH (neat)	2.00 - 3.00
Color (APHA)	80 max.
Specific Gravity @ 25 ° C	1.17 - 1.22
Viscosity @ 25 ° C (Cps)	200 max.
Solid Content %	43 - 44

Packaging: Available in 551.16 lb. (250 kg) drums and 2,755.75 lb. (1250 kg) totes.

Shelf Life: At least three years if properly stored in unopened container.

Safety: Refer to MSDS for specific information.



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