



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

POLYMER

NORTHQUEST 283 - Technical Data Sheet

Technical Bulletin

NORTHQUEST 283

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 283 anti-scalant has been developed as a calcium carbonate inhibitor and a multifunctional formulation support agent in industrial water systems and other related applications. The active ingredient of NorthQuest 283 is a maleic acid copolymer.

Features:

- Excellent dispersions due to Carboxylate and Maleic groups.
- Prevents settling
- Excellent thermal and chemical stability providing increased shelf life.
- Excellent alternative to the more costly Belclene 283, Callaway 3230B and Mayoquest 40

Technical Specifications: (Co-Polymer)

Appearance	Amber color; clear liquid
Nature	Maleic Anhydride Co-Polymer
Color, APHA	20 Max.
pH (as-is); @ 25° C	2.0—3.0
Density @ 25° C	1.20-1.30
Viscosity, cps @ 25° C Brookfield	50 Max.
Total Solids (%)	48-52 %
Acid Value; mg KOH/mL	450 mg Max.
Sequestration Value; mg CaCO3/g	200 Max.
Solubility in Water	Complete

STORAGE: NorthQuest 283 is non-flammable, non-combustible. It should be stored under shade and should not be exposed to direct sunlight.

PACKAGING: Available in 551.15 lb. (250 Kgs) drums.

SAFETY: NorthQuest 283 is generally safe, but avoid contact with eyes and skin. Do not take internally. Gloves and goggles should be used while handling the product. refer to MSDS for precautions.



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