



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

POLYMER

NORTHQUEST 200/HPMA - Technical Data Sheet

TDS-NQ200 HPMA_020110

Technical Bulletin

NORTHQUEST 200 (HPMA)

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 50% aqueous solution of polymaleic acid, 200/HPMA is a low-cost alternative to products like Belclene 200, Buckman BSI-97 and Mayoquest 3000 for inhibiting calcium carbonate scale in industrial water treatment systems.

Technical Specifications: (Homopolymermaleic acid)
 (CAS No. 26099-09-2)

Form	Yellow transparent liquid
Odor	Slight
Solid content, % wt.	48 - 52%
pH (1% solution)	2.0 - 3.0
Specific Gravity; @ 20° C	1.18 - 1.24
Free Content (as Maleic Acid); % wt	3.5 % Max.
Boiling point range; °C	100 - 102° C (212 - 214° F)
Freezing point; °C	- 5 to - 12° C

APPLICATIONS: 200/HPMA is a very effective anti-scalant for use in industrial water treatment programs. It is not affected by oxidizing biocides and is particularly useful in very high hard water environs. Excellent thermal stability in high temperature applications.

PACKAGING: Available in 551.16 lb. non-returnable PE drums.

SHELF LIFE: At least one year when properly stored in unopened container.

SAFETY: Refer to MSDS for precautions.



NORTH METAL & CHEMICAL CO.
 P.O. Box 1904, 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