



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

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Polymers

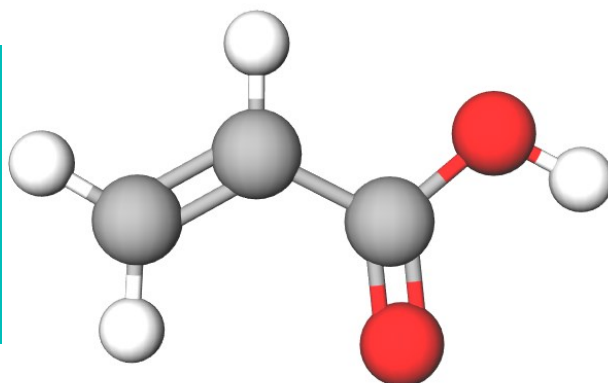
## Technical Data Sheet

### NorthQuest 499

**NorthQuest 499** is a low molecular weight, multifunctional, organic terpolymer for deposit control in industrial water treatment. NQ499 is a unique combination of five monomers comprised of various properties for inhibiting calcium carbonate, calcium phosphate, and iron oxide. The product also helps with particle dispersion (silt, clay, silica, metal oxides) and corrosion inhibition while maintaining low phosphorous content. The low phosphorous content helps to hold high levels of orthophosphate in solution, even at pH levels of 9.0. CAS# 40623-75-4

**Technical Specifications:**  $C_{11}H_{15}NO_4$

Appearance	Clear, yellow liquid
Solids Content, %	47 - 50 %
pH (1% solution)	1.5 - 3.5
Specific Gravity @ 25°C	1.150 - 1.250
Acid Value (mg NaOH/g)	375 max
Viscosity, cPs @ 25°C	800 max



\*Image depicts Acrylic Acid\*

**Packaging:** Available in 529lb drums and 2646lb totes. Small packs available by request.

**Storage:** Store in a cool, dry area. Keep containers closed when not in use.

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

**Safety:** NQ499 is nonflammable and noncombustible. Refer to MSDS for specific information.



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