



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

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Since 1921

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Phosphonates

# Technical Data Sheet

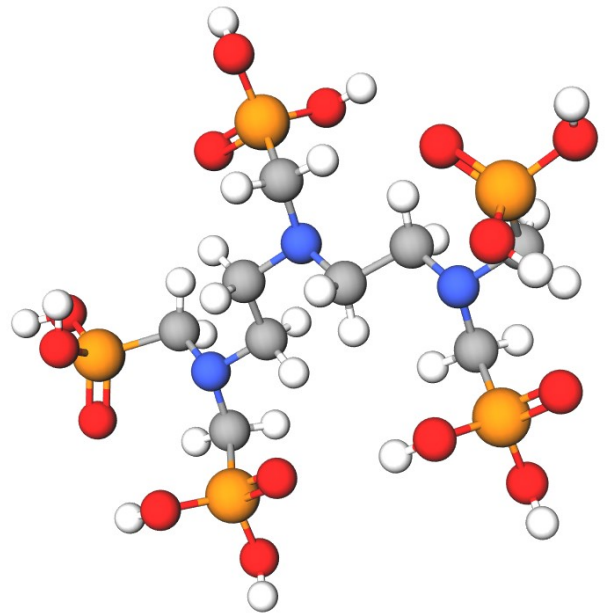
## NorthQuest 6254

### Hexamethylenediamine tetra(methylphosphonic acid), potassium salt (K6-HMDTMPA)

NorthQuest 6254, **HMDTMPA-K6**, is a neutral pH, potassium salt version of NQ6200. It is a general purpose scale inhibitor, powerful sequestrant, and an excellent barium sulphate scale inhibitor. NQ6254 is recommended for applications in water cooling towers and boilers, detergents, and oil field scale control.

#### Technical Specifications: $C_{10}H_{22}N_2O_{12}P_4K_6$

Appearance	Brown Transparent Liquid
Active Salt, as HMDTMPA-K6, %	31.0 - 36.0 %
Active Acid, as HMDTMPA, %	21.0 - 25.0 %
pH (1% solution)	6.0 - 8.0
Specific Gravity @ 25°C	1.210 - 1.310
Total Phosphorous Acid, %	2.0 max
Chloride (Cl), %	5.0 max
Iron (Fe), ppm	20 max



**Packaging:** Available in 551lb drums and 2755lb 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:** Non-hazardous. Non-flammable. See MSDS for specific information.



HMDTMPA-K6 – Technical Data Sheet