

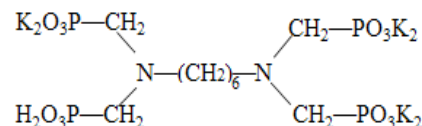
## PRODUCT INFORMATION



# SolQuest® 2054 Hexamethylene diamine tetra (methylene phosphonic acid) K<sub>6</sub>HDTMPA

CAS NO.: 38820-59-6(X-6) Structural Formula:  
53473-28-2(6-K)

Molecular Formula: C<sub>10</sub>H<sub>22</sub>N<sub>2</sub>O<sub>12</sub>P<sub>4</sub>K<sub>6</sub>



### Physico-Chemical Properties:

Appearance	Colorless to yellowish transparent liquid
Active component (as acid) %	21.2-24.6
Active component (as salt) %	31.0-36.0
Total phosphoric acid(PO <sub>4</sub> <sup>3-</sup> )%	16.8 min
Chloride (as Cl-)%	4.0 max
PH(1% water solution)	6.0-8.0
Density (20°C) g/cm <sup>3</sup>	1.21-1.31
Fe, mg/L	35.0 max

### General Information

HMDTMPA•K<sub>6</sub> is soluble in water, it is a good scale inhibitor for calcium sulfate, suitable for use in situation of high pH value and high alkaline. HMDTMPA•K<sub>6</sub> can be used for water treatment in boiler and RO membrane treatment.

HMDTMPA•K<sub>6</sub> can also be used as peroxide stabilizer, chelating agent in woven & dyeing industry, pigment dispersant, microelement's carrying agent in fertilizer and concrete modifier. In addition, HMDTMPA•K<sub>6</sub> is used in papermaking, electroplating, acid cleaning and cosmetics.

### Safety Protection

Acidity, Avoid contact with eye and skin, once contacted, flush with water.



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