

## Potassium Salt of HexaMethyleneDiamine Tetra (MethylenePhosphonic Acid) HMDTMPA • K<sub>6</sub>

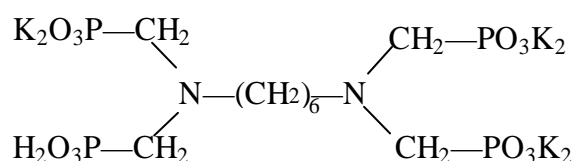
**CAS** 38820-59-6 (X-6) 53473-28-2 (6-K)

**Dequest** 2054

**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>

**Molecular Weight:** 721

### Structural Formula:



### Properties

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.

### Specification:

| items  | index                                       |
|--|---|
| Appearance   | Colorless to pale yellow transparent liquid |
| Active component (as acid), %                                | 21.2-24.6                                   |
| Active component(as salt) , %                                | 31.0-36.0                                   |
| chloride (as Cl <sup>-</sup> ) %                             | 4.0max                                      |
| Total phosphoric acid(as PO <sub>4</sub> <sup>3-</sup> 计), % | 16.8-18.8                                   |
| Phosphorous acid(as PO <sub>3</sub> <sup>3-</sup> 计), %      | 2.0max                                      |
| Fe , ppm   | 35max                                       |
| Density (20℃) g/cm <sup>3</sup>                              | 1.21-1.31                                   |
| pH value (1% water solution)                                 | 6.0-8.0                                     |

### Package and Storage:

Normally In 250kg net Plastic Drum, IBC drum can also be used as required.Storage for ten month in room shady and dry place.