

## HexaMethyleneDiamineTetra (MethylenePhosphonic Acid)

### HMDTMPA

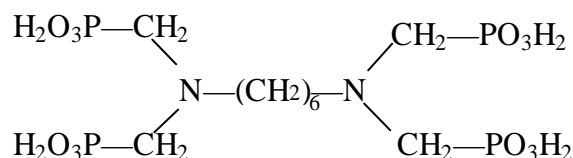
CAS No 23605-74-5

Dequest: 2051

Molecular Formula:  $C_{10}H_{28}N_2O_{12}P_4$

Molecular Weight: 492.3

Structural formula:



#### Properties

HMDTMPA is a white crystal powder at room temperature, slightly soluble in water, with solubility less than 5%.

HMDTMPA can inhibit most scale formation such as calcium carbonate, calcium sulfate, barium sulfate and ferric oxide. As water treatment chemicals, HDTMPA is used as scale inhibitors for calcium sulfate and barium sulfate, for calcium sulfate in particular. It has high scale inhibition rate and can last for long effective time. HMDTMPA can be used for crush treatment in oilfield and for water treatment in boiler.

#### Specification:

items	index
appearance	White crystal powder
Active component (as HDTMPA) %	98.0min
chloride (Cl <sup>-</sup> ) %	0.5max
PH value (1% water solution)	2.0max
Fe <sup>3+</sup> , mg/L	35max

#### Package and Storage:

25kg inner liner polyethylene (PE) bag, or conformed to export environmental requirement, or confirmed by clients. Storage for twelve month in room shady and dry place.