



HEXAMETHYLENEDIAMINETETRA (METHYLENEPHOSPHONIC ACID) [HMDTMPA]

SYNONYMS:

HDTMP; HDTMP(A); HexaMethyleneDiamineTetra; HexaMethyleneDiamineTetra (MethylenePhosphonic Acid HMDTMPA Hexamethylenediaminetetrakis-(methylene phosphonic acid)

CAS No: 23605-74-5

MOLECULAR FORMULA: C₁₀H₂₈N₂O₁₂P₄

PROPERTIES:

HMDTMPA is a white crystal powder at room temperature, slightly soluble in water, with solubility less than 5%. It can inhibit most scale formation such as calcium carbonate, calcium sulfate, barium sulfate and ferric oxides water treatment chemicals, HMDTMPA 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.

SPECIFICATION:

Appearance	Water white to pale yellow liquid
Active Acid (%)	21.2-24.6
Active Salt (%)	31.0 – 36.0
Chlorides (as Cl, %)	< 4.0
Color APHA (Hazen)	250 max.
Iron (as Fe, ppm)	35 max.
pH (1% solution) @ 25° C	6.0 – 8.0
Specific Gravity @ 20° C	1.20 -1.30
Phosphorous Acid (%)	2.0 max.

USAGE:

HMDTMPA can be used for crush treatment in oilfield and for water treatment in boiler.

PACKING:

25Kgs Net Bag.