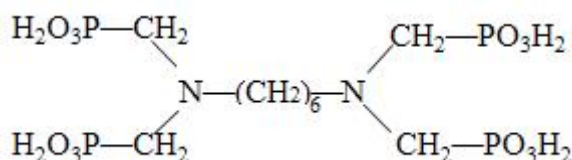


HexaMethyleneDiamineTetra (MethylenePhosphonic Acid) HMDTMPA



CAS No.	23605-74-5	EINECS No.	245-781-0
Molecular Formula	C ₁₀ H ₂₈ N ₂ O ₁₂ P ₄	Molecular Weight	492.3

Structural Formula



Product Features

AHMDTMPA 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.

Technical Specification

Parameter	Standard
Appearance	White crystal powder
Active component (as HDTPMA ⁻), %	97.0 min
chloride (Cl ⁻), %	0.5 max
pH (1% water solution)	2.0 max
Fe, mg/L	35 max

Applications & Usage

As water treatment chemicals, HMDTMPA is used as scale inhibitors for calcium sulfate and barium sulfate, for calcium sulfate in particular. HMDTMPA 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.



Scale & Corrosion Inhibition Performance

CaCO ₃ inhibition	CaSO ₄ inhibition	CaC ₂ O ₄ inhibition	BaSO ₄ inhibition	Iron Control
Poor	Very Good	Very Good	Very Good	Yes
Steel corrosion inhibition		Calcium Tolerance		--
Steel corrosion inhibition		Calcium Tolerance		--

Package & Storage

HMDTMPA Solid		
25kg Bag	Bulk Bag	Fiber drum
		
Storage for 10 months in shady room and dry place.		

Hazard & Safety Precaution

Hazard Information	Safety Precaution
 Corrosive, Class 8, UN 3261	
Once contacted with eye and skin, flush with plenty of clean water.	

Alternative Name / Synonyms

- HMDTMPA
- HexaMethyleneDiamineTetra (MethylenePhosphonic Acid)