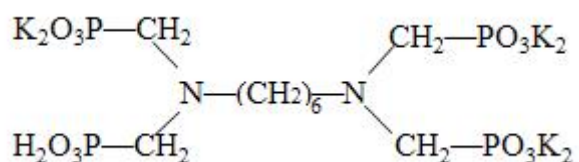


Potassium Salt of HexaMethyleneDiamineTetra (MethylenePhosphonic Acid) HMDTMPA.K₆



CAS No.	53473-28-2	EINECS No.	258-575-0
Molecular Formula	C ₁₀ H ₂₂ N ₂ O ₁₂ P ₄ K ₆	Molecular Weight	721

Structural Formula



Product Features

HMDTMPA.K₆ has high solubility, HMDTMPA.K₆ can prevent scale-forming salts in water from forming scale. HMDTMPA.K₆ is a good calcium sulfate scale inhibitor, especially suitable for high-alkali and high-pH conditions. HMDTMPA.K₆ is particularly suitable for boiler water treatment and reverse osmosis membrane treatment.

Technical Specification

Parameter	Standard
Appearance	Colorless to yellowish transparent liquid
Active content (as acid), %	21.2-24.6
Active content (as salt), %	31.0-36.0
Total phosphoric acid (as PO ₄ ³⁻), %	16.8 min
Chloride (as Cl ⁻), %	4.0 max
Fe, mg/L	35 max
Density (20℃), g/cm ³	1.21-1.31
pH (1% water solution)	6.0-8.0




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		
Good		Poor		

Package & Storage

HMDTMPA.K ₆ Liquid			
25L Drum	200L Drum	1000L IBC	ISO Tank
			
Storage for ten months in shady room and dry place.			

Hazard & Safety Precaution

Hazard Information	Safety Precaution
Not regulated	  
Once contacted with eye and skin, flush with plenty of clean water.	