

Technical Data Sheet DTPMPA

Abbreviation	DTPMPA
Chemical Name	Diethylenetriaminepenta (methylene phosphonic acid)
Molecular Formula	C ₉ H ₂₈ N ₃ O ₁₅ P ₅
Molecular Weight	573.2

DTPMPA is a 50% solution of Diethylenetriaminepenta (methylene phosphonic acid). It is a general-purpose scale inhibitor, powerful sequestrant and excellent barium sulphate scale inhibitor.

DTPMPA is recommended in applications of cooling water treatment, peroxide bleach stabilization and scale control in detergent formulations, I & I cleaners, geothermal water treatment, oil field scale control.

Typical Properties

Appearance	Yellow to amber liquid
Active Acid, %	≥ 50
pH(1% solution) @ 25°C	2.0 max.
Specific gravity (20°C, g/cm ³)	1.35–1.45
Iron, as Fe ppm	20 max.
Chlorides (as Cl, %)	12.0–17.0