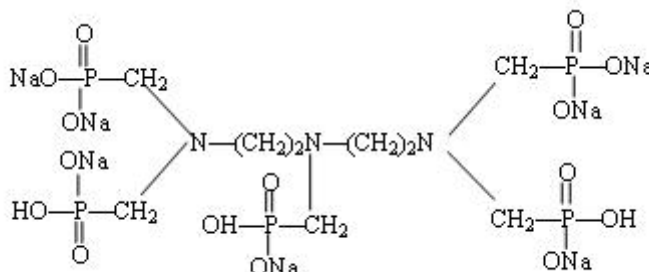


Hepta Sodium Salt of Diethylene Triamine Penta (Methylene Phosphonic Acid) (DTPMP•Na₇)



CAS No.	68155-78-2	EINECS No.	268-990-9
Molecular Formula	C ₉ H ₂₁ O ₁₅ N ₃ P ₅ Na ₇	Molecular Weight	727

Structural Formula



Product Features

DTPMP.Na₇ is neutralized DTPMPA. DTPMP.Na₇ works well as a scale inhibitor and dispersing agent for use in industrial water treatment programs. When used at high alkali and temperatures (above 210 ° C) DTPMP.Na₇ is more effective than other phosphonates. DTPMP.Na₇ is a very good inhibitor of the precipitation of barium sulfate.

Technical Specification

Items	Index	
Appearance	Umber transparent liquid	
Active content (DTPMPA), %	31.5-33.5	24.0-26.0
Active content (DTPMP•Na ₇), %	40.0-42.5	30.5-33.0
Chloride (as Cl ⁻), %	5.0max	5.0max
Fe, mg/L	20 max	20 max
pH (1% water solution)	7.0-9.0	7.0-9.0
Density (20 °C), g/cm ³	1.25 min	1.24-1.34




Applications & Usage

DTPMP • Na₇ can be used as a scale inhibitor, efficient chelating agent, and excellent BaSO₄ scale inhibitor. DTPMP • Na₇ is widely used in cooling water treatment, stabilizer for peroxide bleaching, washing aids, municipal and industrial clean water, and geothermal heating. Water treatment, oil field scale inhibition.

Scale & Corrosion Inhibition Performance

CaCO ₃ inhibition	CaSO ₄ inhibition	Ca ₃ (PO ₄) ₂ inhibition	CaC ₂ O ₄ inhibition	BaSO ₄ inhibition
Very Good	Excellent	Very Good	Very Good	Very Good
Calcium tolerance	Iron Control	Sequestration	Steel corrosion inhibition	
Good	Yes	Excellent	Very Good	

Package & Storage

DTPMP.Na ₇ 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.	

DTPMP.Na₇ related products

- Hepta sodium salt of Diethylene Triamine Penta (Methylene Phosphonic Acid)
- Sodium salt of Diethylene Triamine Penta (Methylene Phosphonic Acid) (DTPMP•Na_x)
- Diethylene Triamine Penta (Methylene Phosphonic Acid) (DTPMPA)