



## KOR PD 66 A

**Chemical Name** Diethylenetriamine (Methylene phosphonic acid) Sodium salt (DTPMP Sodium Salt)

**Molecular Formula** C<sub>9</sub>H<sub>21</sub>O<sub>15</sub>N<sub>3</sub>P<sub>5</sub>Na<sub>2</sub>

**CAS No** 22042 - 96 - 2

### PRODUCT FEATURES

- It prevents precipitation of hardening ions such as Ca, Mg and Fe due to its complexing feature.
- It increases the washing effect of detergents with its high dispersion feature.
- It prevents the formation of lime in water boilers.
- It is used in vehicle washing products as it prevents the formation of dirt and stains on metal surfaces.
- It is used in different temperature and pH ranges due to its high chemical stability.
- It prevents the precipitation of carbonate and sulphate salts by binding Ca and Mg in water treatment and prevents petrification and sludge formation.
- It prevents the dirt to hang on the fabric during washing and prevents them from collapsing again.

### AREA OF USE

- Water Treatment Processes
- Ion holder
- Prevent corrosion in heating and cooling water systems
- Water softener in paint processes

#### MKS DevO Chemicals

#### Istanbul Head Office:

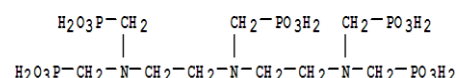
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## DTPMP Na<sub>2</sub>

### STRUCTURE



• x Na

### PHYSICAL CHARACTERISTICS

<b>Active Content%</b> (as DTPMP)	43,0 - 46,0
<b>Boiling point, °C</b>	Approx. 100
<b>Specific Weight</b>	1,38 - 1,41@20°C,g/cm <sup>3</sup>
<b>pH(%1)</b>	2,0 - 3,0
<b>Appearance</b>	Clear Amber Liquid

#### Security

UN 3265  
CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., Class 8, PG III

#### Package

Tanker , Barrel and IBC

#### Storage

The product should be stored in its original packaging and at normal temperature. Should be kept away from sunlight.