

Technical Data Sheet

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Page 1, Total 1

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Item Name:

DTPMPA-Na5

PRODUCT INFORMATION

Chinese Name:	二乙烯三胺五甲叉膦酸五钠
Commodity Name:	DTPMPA-Na5
Chemical Name:	Penta Sodium Salt of Diethylene Triamine Penta (Methylene Phosphonic Acid)
Other Name:	Diethylene Triamine Penta (Methylene Phosphonic Acid) Pentasodium Salt
CAS No.:	68155-78-2
Molecular Weight:	683.20
Molecular Formula:	$C_9H_{23}O_{15}N_3P_5Na_5$

PRODUCT DESCRIPTION

DTPMPA-Na5 is a neutral product, DTPMPA-Na5 non-toxic, solid DTPMPA-Na5 is very easy to absorb moisture and soluble in water, used as scale and corrosion inhibitor for circulating cooling water and boiler water in water treatment.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Umber transparent liquid
Active content (DTPMPA) by wt %	24.0 - 26.0
Active content (DTPMPA-Na ₅) by wt %	28.5 - 31.0
Total phosphoric acid(PO ₄ ³⁻) by wt %	19.7 - 21.7
Chloride (as Cl) by wt %	5.0 max
Fe by mg/L	20.0 max
pH(1% water solution)	6.0 - 8.0
Density (20°C) g/cm ³	1.25 min

MAIN APPLICATION

DTPMPA-Na5 can be used as peroxide stabilizer, chelating agent for textile printing and dyeing, dispersant of pigment, trace element carrying agent in chemical fertilizer, concrete additive. In addition, it has been widely used in papermaking, electroplating and cosmetics.

PACKING, LOADING AND SHELF LIFE

Packing: 200L plastic drum, IBC(1000L)

Loading: 24mt/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.