

Technical Data Sheet

Version: 2.0
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

ATMP-Na5

PRODUCT INFORMATION

Chinese Name:	氨基三甲叉磷酸五钠
Commodity Name:	ATMP-Na5
Chemical Name:	Penta Sodium Salt of Amino Trimethylene Phosphonic Acid
Other Name:	Pentasodium Hydrogen C,C',C''-Nitrilotris(Methylphosphonate)
CAS No.:	2235-43-0
Molecular Weight:	409
Molecular Formula:	$C_3H_7NO_9P_3Na_5$

PRODUCT DESCRIPTION

ATMP-Na₅ is the salt of ATMP, it can inhibit calcium carbonate particularly in water treatment system.

ATMP-Na₅ can be used in circulating cool system in power plant, oil refinery plant and oilfield refill water system.

ATMP-Na₅ is a general low cost scale inhibitor, it has good corrosion inhibition to zinc salt and phosphate, its chelating ability is good as well.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Colorless or light yellow transparent liquid
Active content (ATMP) by wt %	27.8 - 30.7
Active content (ATMP-Na5) by wt %	38.0 - 42.0
Total phosphoric acid(PO_4^{3-}) by wt %	26.6 - 28.6
Chloride (as Cl ⁻) by wt %	1.0 max
pH (1% water solution)	10.0 - 11.0
Fe by mg/L	10.0 max
Density (20°C) g/cm ³	1.38 - 1.48

MAIN APPLICATION

ATMP-Na₅ is used together with other organophosphonic acid, polycarboxylic acid or salt to form organic alkaline agents.

ATMP-Na₅ can be used in circulating cool water system for all water quality.

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.