Technical Data Sheet

Item Name:

ATMP 95%

PRODUCT INFORMATION

Chinese Name:	氨基三甲叉膦酸
Commodity Name:	ATMP 95
Chemical Name:	Amino Trimethylene Phosphonic Acid
Other Name:	Dequest 2000, Amino Tri(Methylene Phosphonic Acid)
CAS No.:	6419-19-8
Molecular Weight:	299.05
Molecular Formula:	$N(CH_2PO_3H_2)_3$

PRODUCT DESCRIPTION

ATMP has excellent chelation, low threshold inhibition and lattice distortion ability. It can prevent scale formation, calcium carbonate in particular, in water system. ATMP has good chemical stability and is hard to be hydrolyzed in water system. At high concentration, it has good corrosion inhibition. ATMP is used in industrial circulating cool water system and oilfield water pipeline in fields of thermal power plant and oil refinery plant. ATMP can decrease scale formation and inhibit corrosion of metal equipment and pipeline. ATMP can be used as chelating agent in woven and dyeing industries and as metal surface treatment agent. The solid state of ATMP is crystal powder, soluble in water, easily deliquescence, suitable for usage in winter and freezing districts. Because of its high purity, it can be used in woven & dyeing industries and as metal surface treatment agent.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White crystal powder
Active acid by wt %	95.0 min
Chloride (as Cl^-) by wt %	1.0 max
pH (1% water solution)	2.0 max
Fe by mg/L	20.0 max

MAIN APPLICATION

ATMP is usually used together with organophosphoric acid, polycarboxylic acid and salt to built all organic alkaline water treatment agent. ATMP can be used in many different circulating cool water system. The dosage of 1-20mg/L is recommended. As corrosion inhibitor, the dosage of 20-60mg/L is preferred.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg/bag
Loading: 25mt/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.