



AMINO TRIMETHYLENE PHOSPHONIC ACID [ATMP]

SYNONYMS:

Atmp; atmpa; atmp(a); amino Trimethylene Phosphonic Acid; amino Tri(methylene Phosphonic Acid); Tris(methylene Phosphonic Acid) Amine

CAS No: 6419-19-8

MOLECULAR FORMULA: $N(CH_2PO_3H_2)_3$

OTHER TRADE NAME: Belclene 640

PROPERTIES:

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 can decrease scale formation and inhibit corrosion of metal equipment and pipeline.

SPECIFICATION:

Appearance	Colorless or light yellow transparent liquid
Active acid%	48.0-52.0
Chloride (as Cl ⁻)%	2.0 max
pH value (1% solution)	2.0 max
Fe(asFe ³⁺)(ppm)	20.0 max
Density (20° C)g/cm ³	1.33 min
Color APHA (Hazen)	60 max

USAGE:

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 be used as chelating agent in woven and dyeing industries and as metal surface treatment agent. Because of its high purity, it can be used in woven and dyeing industries and as metal surface treatment agent.

It is usually used together with organo phosphoric acid, polycarboxylic acid and salt to build all organic alkaline water treatment agents. The dosage of 1-20mg/L is recommended. As corrosion inhibitor, the dosage of 20-60mg/L is preferred.

PACKING:

250Kgs Net Drum.