

Britequest ATMP

Amino Tri Methylene Phosphonic acid

CAS nr: 6419-19-8
Einecs nr: 229-146-5

Product information

Synonyms: ATMPA;ATMP(A); Amino Tri(Methylene Phosphonic Acid); Tris(Methylene Phosphonic Acid) Amine; Nitriлотrimethylphosphonic Acid(NTP); Nitriлотrimethylenetris(Phosphonic Acid); $N(CH_2PO_3H_2)_3$

Britequest ATMP and the little higher priced Britequest HEDP are the most common of phosphonic acids. Britequest ATMP is an excellent chelating agent, inhibiting scaling right from the start. Especially effective on $CaCO_3$. At higher concentrations, Britequest ATMP is anti-corrosive. It is chemically stable and hard to hydrolyse.

Applications are industrial cooling water, boilers and oil refineries. In the dye industrie, because of its high purity, Britequest ATMP is used to treat metal surfaces. Normally the 50% solution is used. The solid Britequest ATMP-95% is suitable in regions with temperatures below zero.

Product specifications

	50%-solution	95%-crystals
Appearance	pale yellow transparent liquid	white crystal powder
Active content (as acid), %	50.0 min	95.0 min
Colour APHA (Hazen)	40.0 max	-
Chloride (as Cl), %	2.0 max	1.0 max
Iron (as Fe), ppm	10.0 max	20.0 max
pH (1% solution)	2.0 max	2.0 max
Density (20°C), g/cm ³	1.30 min	-
Ca sequestration, mg CaCO ₃ /g	450.0 min	-

[Change specifications](#)

Commercial

Packaging 50% solution:

25liter jerrycans, 250kg (200liter) drums, 1250kg (1000liter) IBC, 24mt ISO tank container (bulk)

Packaging 95% powder:

25kg bags

Lead time solution in IBC's:

1 week

Lead time other packaging:

6 weeks

Lead time powder:

8 weeks

Technical

In more extreme conditions of high alkaline, high water hardness, high temperature, high salt concentrations and high turbidity, it is advised to use specialty products such as Britequest PAPEMP.

For chlorine stability, Britequest PBTC is recommended.

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