

# Britequest PAPEMP

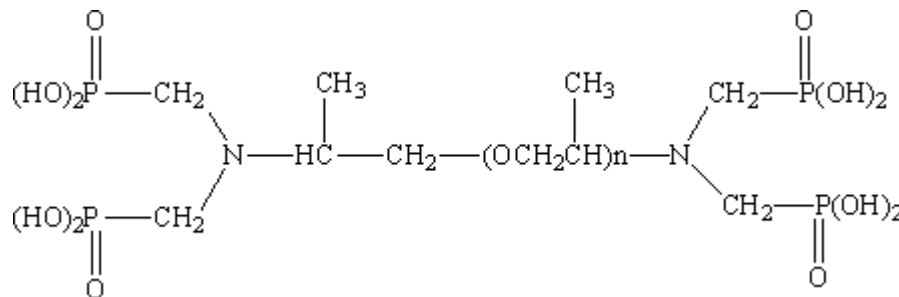
## Poly Amino Poly Ether Methylene Phosphonate

CAS nr: 181828-06-8, 35608-40-6

### Product information

Synonyms: poly [oxy (methyl 1,2 -ethanediyl), alpha [2- [bis (phosphonomethyl) amino] methyl ethyl] -omega [2- [bis (phosphonomethyl) amino] methyl ethoxy];  $C_4H_6NO_3(C_4H_5NO_3)_n C_4H_6NO_4$ ,  $(C_3H_6O)_n C_{10}H_{28}N_2O_{13}P_4$

Structural Formula ( $M_w$  about 600):



Britequest PAPEMP has high calcium tolerance and good scale inhibition effects, especially on silica scale, calcium carbonate, calcium sulphate and calcium phosphate. It stabilizes metal ions such as Zn, Mn and Fe. Britequest PAPEMP is active in conditions of high water hardness, high alkalinity, high salt concentrations, high turbidity, high temperature and high chlorine, chlorite and biocide concentrations. For less stringent conditions we offer our standard phosphonic acids such as Britequest HEDP and Britequest ATMP.

It is used as scale and corrosion inhibitor in cooling water systems, boilers, reverse osmosis, multistep flash vaporization systems and oilfields. In agriculture Britequest PAPEMP is a nutrient absorber. And in textile dyeing it is a color transfer inhibitor, as alternative to EDTA, DTPA, NTA.

### Product specifications

Test Item	Guaranteed
Appearance	amber transparent liquid
Active acid, %	40.0 min
Density(20°C), g/cm <sup>3</sup>	1.15 - 1.25 min
pH (1% water solution)	1.5 - 2.5
Ca sequestration (mg CaCO <sub>3</sub> /g PAPEMP)	700 min.

[Change specifications](#)

## Commercial

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Packaging 40% solution:

25liter jerrycans, 250kg (200liter) drums, 1200kg (1000liter) IBC, 24mt ISO tank container (bulk)

Packaging 90% powder:

25kg bags, 1000kg bigbags, ISO tank container (bulk)

Lead time:

8 weeks

## Technical

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Quantities of 5 to 100 mg per litre are normal. Opposed to other water treatment chemicals Britequest PAPEMP knows no optimal doses. More input leads directly to more effect.

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