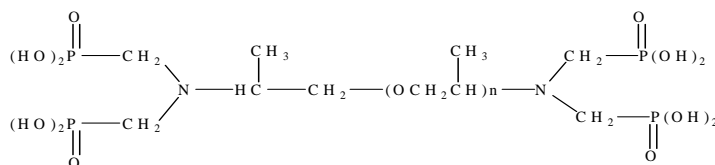


Polyamino Polyether Methylene Phosphonae (PAPEMP)

Molecular weight: about 600

Structural Formula:



Properties:

PAPEMP is a new kind of water treatment agent. PAPEMP has high chelation and dispersion effects, high value of calcium tolerance, and good scale inhibition effects. PAPEMP can be used as scale and corrosion inhibitor in circulating cool water system and oilfield refill water system in situations of high hardness, high alkali and high pH value. PAPEMP has excellent scale inhibition ability to calcium carbonate, calcium sulfate and calcium phosphate. PAPEMP can efficiently inhibit the formation of silica scale, stabilize metal ions such as Zn, Mn and Fe.

PAPEMP can be used as scale inhibitor for reverse osmosis system and multistep flash vaporization system in which high salt concentration, high turbidity and high temperature are usually encountered (such as high temperature and high turbidity in coal vaporization system), accessory agent for woven & dyeing (for example, yellow turnback inhibition agent), as alternatives of EDTA, DTPA and NTA.

Specification:

items	index
Appearance	Yellow to amber transparent liquid
Solid content %	45.0min
Active component (PAPEMP) %	40.0min
Phosphoric acid (as PO_4^{3-})%	1.0max
Density (20°C) g/cm^3	1.20 ± 0.05
pH (1% solution)	2.0 ± 0.5

Usage:

The dosage of 5-100mg/L is preferred. Different from other water treatment agents, the more quantity is, the better the effect. PAPEMP can be built with polycarboxylic acids.

Package and Storage:

Normally In 250kg net Plastic Drum, IBC drum can also be used as required. Storage for ten months in room shady and dry place.