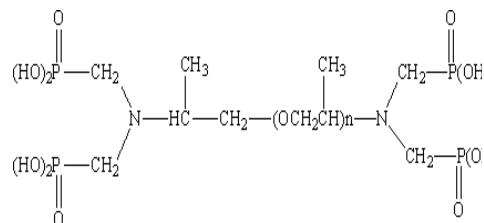


## SolQuest® 2076 Polyamino Polyether Methylene Phosphonic Acid (PAPEMP)

**CAS NO.:** 130668-24-5 **Structural Formula:**

**Molecular Formula:**



### Physico-Chemical Properties:

Appearance	Light yellow to yellow transparent liquid
Active content %	50.0 min
Phosphoric acid (as PO <sub>4</sub> <sup>3-</sup> )%	1.0 max
Density (20°C) g/cm <sup>3</sup>	1.15 min
pH (1% water solution)	2.0 max

### General Information

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.nt.

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 .

### Safety Protection

Acidity, Avoid contact with eye and skin, once contacted, flush with water.