

# Copolymer of Phosphono and carboxylic Acid

## (PCA)

### Properties:

Through the introduction of phosphonic group into carboxylic group, PCA has good dispersion property for scale of calcium carbonate and calcium phosphate in circulating cool water system. It has good scale inhibition for barium sulfate, strontium sulfate and silica scale. PCA has advantages in wide range of water quality, chemical stability, strong chlorine tolerance, etc. PCA can be used as scale and corrosion inhibitor in circulating cool water system and oilfield refill water system.

### Specification:

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Appearance	Colorless or light yellow liquid
Solid content %	50.0min
Total phosphor (as $\text{PO}_4^{3-}$ ) %	0.5min
Density (20°C) $\text{g}/\text{cm}^3$	1.20-1.30
pH (1% water solution)	3.0-4.0

### Usage:

When used alone, the dosage of 5-20mg/L is preferred. It can also be used together with organophosphines, copolymer, zinc salt or BTA.

### 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.