

Phosphino-Carboxylic Acid(PCA)

CAS No. 71050-62-9

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:

Items	Index
Appearance	Colorless to light yellow transparent liquid
Solid content, %	50.0 min
Total phosphor (as PO ₄ ³⁻), %	0.5 min
Density (20°C), g/cm ³	1.20 min
pH(1% water solution)	3.0-5.0

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:

200L plastic drum,IBC(1000L),customers' requirement. Storage for ten months in shady room and dry place.

Synonyms:

[PCA](#); [POCA](#); phosphino carboxylic acid; Phosphino Carboxylic Acid (PCA) ; dispersant

PCA; [Copolymer of Phosphono and carboxylic Acid](#);

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