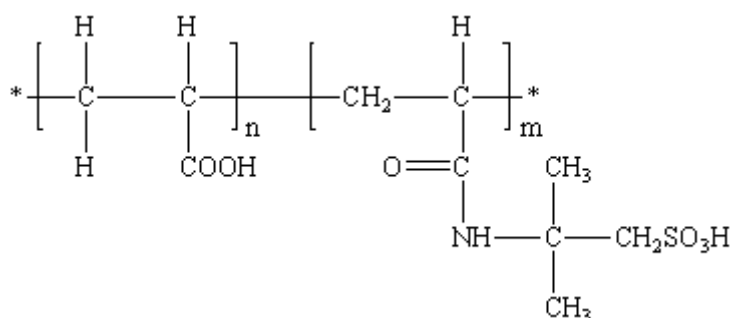


Acrylic Acid-2-Acrylamido-2-Methylpropane Sulfonic Acid Copolymer (AA/AMPS)

CAS No. 40623-75-4

Structural Formula:



Properties:

AA/AMPS is the copolymer of acrylic acid and 2-acrylamido-2-methylpropanesulfonic acid. Due to including carboxylic group (scale inhibition and dispersion) and sulfonic acid group (strong polarity) in this copolymer, **AA/AMPS** has high calcium tolerance and good scale inhibition for calcium phosphate, calcium carbonate and zinc scale. When built with organophosphines, the synergic effect is obvious. **AA/AMPS** is suitable to be used in water quality of high pH and high alkaline, it is one of the ideal scale inhibitor and dispersant on high concentration index.

Specification:

Items	Index
Appearance	Colorless to pale yellow viscous liquid
Solid content, %	40.0 min
Free monomer (as AA), %	0.5 max
Density (20°C), g/cm ³	1.15 min
pH(1% water solution)	3.5-4.5

Usage:

[AA/AMPS](#) can be used as scale inhibitor and dispersant in open circulating cool water system, oilfield refill water system, metallurgy system and iron & steel plants to prevent sediment of ferric oxide. When built with organophosphorines and zinc salt, the suitable pH value is 7.0~9.5.

[AA/AMPS](#) can also be used as dyeing auxiliaries for textile.

Package and Storage:

[AA/AMPS](#) liquid: 200L plastic drum, IBC(1000L), customers' requirement.

Synonyms:

[AA-AMPS](#); [AA-AMPSA](#); [Acrylic Acid-2-Acrylamido-2-Methylpropane Sulfonic Acid Copolymer](#); [Sulfonated Polyacrylic Acid Copolymer](#);

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