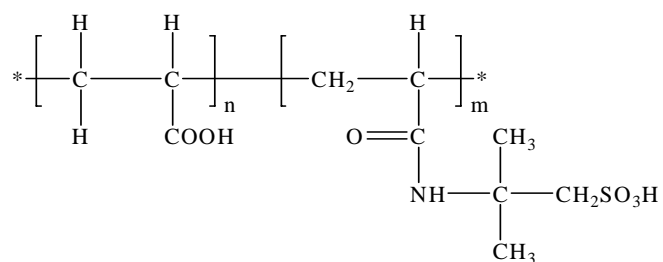


# Acrylic Acid-2-Acrylamido-2-Methylpropane Sulfonic Acid Copolymer (AA/AMPS)

CAS No 40623-75-4

## Structural Formula:



## Properties:

AA/AMPS is the copolymer of acrylic acid and 2-acrylamido-2-methylpropanesulfonic acid (AMPS). 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 or light yellow viscous liquid
Solid content %	40min
Free monomer (as AA) %	0.8max
Density (20°C) g/cm <sup>3</sup>	1.15min
pH (1% solution)	3.5-4.5
Viscosity mpa.s	90-200

## 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:

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