



2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID-ACRYLIC ACID COPOLYMER [AA/AMPS]

SYNONYMS:

2-Propenoic acid polymer with 2-methyl-2-[(1-oxo-2-propenyl) amino]-1-propane sulfonic acid; AA-AMPSA 2-propenyl) amino]-1-propanesulfonic acid

CAS No:

40623-75-4

MOLECULAR FORMULA:

$(C_7H_{13}NO_4S)_x (C_3H_4O_2)_y$

OTHER TRADE NAME: Acumer 2000

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:

Appearance	Colorless to light yellow liquid
Solid content%	40 min
Bromine value Mg/g	0.8 max
Average molecular wt	1.15 min
pH(1% solution)	3.4-4.5
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.

PACKING:

250Kgs Net Drum.