



ACRYLIC ACID-2- HYDROXYPROPYL ACRYLATE COPOLYMER (AA/HPA)

SYNONYMS:

Acrylic Acid-2-Hydroxypropyl Acrylate-2-Acrylamido-2-Methylpropyl Sulfonic Acid Copolymer

CAS No: 55719-33-0

MOLECULAR FORMULA: ((C₆H₁₀O₃).(C₃H₄O₂))_x

PROPERTIES:

It is copolymer of polyacrylic acid and hydroxypropyl acrylate, it has good scale inhibition and dispersion properties to calcium phosphate, calcium carbonate, ferric oxide sludge, clay and grease. It can be used under high pH situation and has good compatibility with other organo phosphines and BTA, it can effectively withhold sediments of zinc salt and calcium phosphate it has good scale inhibition and dispersion properties under high temperature and alkaline situations.

SPECIFICATION:

Appearance	Colorless or yellow liquid
Solid content%	30.0 min
Free monome(CH ₂ =CH=COOH)%	0.5 max
Density (20° C)g/cm ³	1.05-1.15
pH(1% solution)	3.5 max
Limit viscosity (30° C) dl/g	0.055-0.095

USAGE:

It can be used in circulating cool water system in situation of alkaline and excess of phosphate. Also used as scale inhibitor and dispersant for heater, none-column evaporator boiler, circulating cool water and oilfield dirty refilling water with high calcium content. The dosage of 10~30mg/L is preferred. It can be built with organophosphines to form full organic alkaline formula.

PACKING:

200Kgs Net Drum.