



Uniphos Chemicals

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XF-3300(AA/AHPS) Deflocculant & Sequestrant

XF-3300(AA/AHPS) is a copolymer of Acrylic Acid (**AA**) and 2-Hydroxy-3-(2-propenyloxy)-1-Propanesulphonic Acid Monosodium Salt (**AHPS**) and long recognized as a high-quality phosphate stabilizer. It is also a very effective dispersant in all organic cooling water treatments that rely on the corrosion inhibiting properties of organic phosphonates. It acts as mineral scale dispersant, a calcium phosphonate stabilizer and, long with organic phosphonate, as a threshold mineral scale inhibitor; additionally it disperses any calcium phosphate formed organic phosphonates degraded by oxidizing biocides such Chlorine. It offers the following benefits:

- High-quality phosphate stabilizer
- Effective dispersant and corrosion inhibitor
- Wide pH application, especially in high pH conditions
- Iron and zinc stabilizer

Abbreviation	AA/AHPS
Chemical Name	Copolymer of Acrylic Acid and AHPS
Synonymous Name	2-Propenoic Acid, co-polymer with 2-Hydroxy-3-(2-propenyloxy)-1-Propanesulphonic Acid Monosodium Salt
Molecular Structure	$[\text{CH}_2\text{CH}(\text{CH}_2\text{OCH}_2\text{CH}(\text{OH})\text{CH}_2\text{SO}_3\text{Na})]_{1.5}-[\text{CH}_2\text{CH}(\text{COONa})]_{1.5}-[\text{CH}_2\text{CH}(\text{COOH})]_{1.5}$
CAS NO.	78265-09-8
Commercial Form	Aqueous Solution
Molecular Weight	7000-9000

Typical Properties

Appearance	Pale yellow clear solution
Solid Content (%)	36.0-38.0
Specific gravity (20 °C, g/cm³)	1.20-1.23
pH (as is)	5.0-5.5
Kinematic Viscosity @ 25 °C	80.0-120.0

Package:

210L HDPE Drum; 1000L IBC(tote); Isotank