



# 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

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

### Typical Properties

<b>Appearance</b>	Pale yellow clear solution
<b>Solid Content (%)</b>	36.0-38.0
<b>Specific gravity (20 °C, g/cm<sup>3</sup>)</b>	1.20-1.23
<b>pH (as is)</b>	5.0-5.5
<b>Kinematic Viscosity @ 25 °C</b>	80.0-120.0

### Package:

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