



# Uniphos Chemicals

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## XF-334 (HEDP) Scale Inhibitor

Certified by NSF

**XF-334(HEDP)** is an aqueous solution of 1-Hydroxyethylidene -1, 1-diphosphonic acid, (HEDP) and is noted for excellent CaCO<sub>3</sub> scale inhibition and chlorine stability. **XF-334** is widely used in industry as a sequestering agent and calcium carbonate scale inhibitor for applications in cooling water treatment, boiler water treatment, industrial and institutional cleaners, swimming pool stain prevention, personal care products, metal ion control.

<b>Abbreviation</b>	HEDP
<b>Molecular Formula</b>	C <sub>2</sub> H <sub>8</sub> O <sub>7</sub> P <sub>2</sub>
<b>Molecular Weight</b>	206
<b>Chemical Name</b>	1-Hydroxyethylidene -1, 1-diphosphonic acid
<b>CAS Number</b>	2809-21-4

### Typical Properties

<b>Appearance</b>	Clear water white to pale yellow liquid
<b>Active acid, %</b>	58.0 – 62.0
<b>pH, 1% solution @ 25°C</b>	2.0 max.
<b>Specific gravity @ 20°C, g/cm<sup>3</sup></b>	≥1.40
<b>Iron, as Fe, ppm</b>	20 max.
<b>Phosphorous acid, %</b>	4.0 max.
<b>Color APHA (Hazen)</b>	150 max.
<b>Chlorides (as Cl, ppm)</b>	300 max.

### Packaging:

PE drum, IBC/Tote, Bulk Tank