



# Uniphos Chemicals

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## XF-334SD (HEDP.Na4) Scale Inhibitor

**XF-334SD**, based on Sodium Salt of hydroxyl ethylidene (1-hydroxy ethylidene) diphosphonic acid, is noted for its excellent CaCO<sub>3</sub> scale inhibition. It is in powder form, ideal for solid grade formulations. Recommended applications of XF-334SD include cooling water treatment, boiler water treatment, I & I cleaners, swimming pool stain prevention, household cleaners, detergents and metal ion control.

<b>Abbreviation</b>	HEDP.Na4
<b>Molecular Formula</b>	C <sub>2</sub> H <sub>4</sub> O <sub>7</sub> P <sub>2</sub> Na <sub>4</sub>
<b>Commercial Form</b>	Powder
<b>Molecular Weight</b>	294
<b>Chemical Name</b>	Tetra sodium of (1-hydroxy ethylidene) diphosphonic acid
<b>CAS Number</b>	3794-83-0 (4-Na)

### Typical Properties

<b>Appearance</b>	White crystalline powder
<b>Active acid (as HEDP), %</b>	>=60.00
<b>Active salt (as HEDP.Na4), %</b>	>=85.00
<b>P content (as PO<sub>4</sub><sup>3-</sup>), %</b>	>=55
<b>pH (1% solution) @ 25 °C</b>	10.0 – 12.0
<b>Iron, as Fe, ppm</b>	35 max.

### Packaging:

25 kg, plastic-woven bag