



# Uniphos Chemicals

No. 8, Tonghai 2nd Road  
Rudong, Nantong 226407, China

Tel.: +86-513-6990 8111 Fax: +86-513-6990 8155

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

XF-334S, based on Sodium Salt of **Hydroxyl Ethylidene (1-Hydroxy Ethylidene) Diphosphonic Acid**, is noted for its excellent CaCO<sub>3</sub> scale inhibitor in water treatment. Recommended applications for XF-334S include cooling water treatment, boiler water treatment, I & I cleaners, swimming pool stain prevention, metal ion control.

<b>Abbreviation</b>	HEDP.Na <sub>4</sub>
<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>Molecular Weight</b>	294
<b>Chemical Name</b>	Sodium Salt of (1-Hydroxy Ethylidene) Diphosphonic Acid
<b>CAS Number</b>	29329-71-3 (x-Na), 3794-83-0 (4-Na)

### Typical Properties

<b>Appearance</b>	Water white to pale yellow liquid
<b>Active acid (as HEDP), %</b>	20.3 – 21.7
<b>Active salt (as HEDP.Na<sub>4</sub>), %</b>	29.0 – 31.0
<b>pH (1% solution) @ 25 °C</b>	10.0 – 12.0
<b>Specific gravity @ 20 °C, g/cm<sup>3</sup></b>	1.26 – 1.36
<b>Iron, as Fe, ppm</b>	20 max.

### Packaging

PE drum, Bulk tank, IBC/Tote