



Uniphos Chemicals

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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 CaCO₃ 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.

Abbreviation	HEDP.Na ₄
Molecular Formula	C ₂ H ₄ O ₇ P ₂ Na ₄
Molecular Weight	294
Chemical Name	Sodium Salt of (1-Hydroxy Ethylidene) Diphosphonic Acid
CAS Number	29329-71-3 (x-Na), 3794-83-0 (4-Na)

Typical Properties

Appearance	Water white to pale yellow liquid
Active acid (as HEDP), %	20.3 – 21.7
Active salt (as HEDP.Na₄), %	29.0 – 31.0
pH (1% solution) @ 25 °C	10.0 – 12.0
Specific gravity @ 20 °C, g/cm³	1.26 – 1.36
Iron, as Fe, ppm	20 max.

Packaging

PE drum, Bulk tank, IBC/Tote