



Uniphos Chemicals

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

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

XF-334LC (HEDP)

Chelant and Scale Inhibitor

XF-334LC is a low chloride chelant and CaCO₃ scale inhibitor, based on hydroxyl ethylidene (1, 1-diphosphonic acid). Recommended applications for XF-334LC include hydrogen peroxide and peracetic acid stabilization.

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

Typical Properties

Appearance	Water white to pale yellow liquid
Active acid, %	58.0 – 62.0
pH, 1% solution @ 25°C	2.0 max.
Specific gravity @ 20°C, g/cm ³	≥ 1.40
Chlorides (as Cl, ppm)	100 max.
Iron, as Fe, ppm	20 max.
Phosphorous acid, %	4.0 max.
Acetic Acid	≤ 1%
Color APHA (Hazen)	100 max.

Packaging

PE drum, Bulk tank, IBC/Tote