



Uniphos Chemicals

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XF-334LAs (HEDP) Scale Inhibitor

XF-334LAs is a low arsenic aqueous solution of 1-Hydroxyethylidene -1, 1-diphosphonic acid, (HEDP), and is noted for excellent CaCO₃ scale inhibition and chlorine stability. XF-334LAs is widely used in industries as a sequestering agent and calcium carbonate scale inhibitor for applications in food processing, cosmetics and personal care products.

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/cm³	≥ 1.40
Arsenic, ppm	5.0 max.
Iron, as Fe, ppm	20 max.
Phosphorous acid, %	4.0 max.
Color APHA (Hazen)	150 max.
Chlorides (as Cl, ppm)	150 max.

Packaging

210L PE drum, IBC/Tote, Bulk tank