



Uniphos Chemicals

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XF-334D (HEDP 90%) Scale Inhibitor

XF-334D is a solid crystal powder of 1-Hydroxyethylidene -1, 1-diphosphonic acid, (HEDP) and is noted for excellent CaCO₃ scale inhibition and chlorine stability.

XF-334D is recommended to be used in freezing areas in winter. It is especially proper for usage as cleaning agent in electronic fields and as additives in daily detergents. It is also widely used in industry as a sequestering agent and calcium carbonate scale inhibitor for applications in cooling water treatment, boiler water treatment, industrial and institutional cleaners, swimming pool stain prevention, personal care products, metal ion control.

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|--------------------------|---|
| 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

| Characteristics | Limits |
|--|----------------------|
| Appearance | White crystal powder |
| Active content (as HEDP) | 90% min |
| Phosphorous acid (as PO₃³⁻) | 1.0% max |
| Phosphoric acid (as PO₄³⁻) | 0.5% max |
| Chloride (as Cl) | 0.1% max |
| Iron (Fe) ppm | 10 ppm max |
| pH (1% water solution) | 2.0 max |

Packaging

25kg net in plastic bag or fibre drum.