

Technical Data Sheet

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Item Name:

HEDP 60%

PRODUCT INFORMATION

Chinese Name:	羟基乙叉二膦酸
Commodity Name:	HEDP
Chemical Name:	1-Hydroxy Ethylidene-1,1-Diphosphonic Acid
Other Name:	Etidronic Acid, HEDPA, HydroxyEthylidenedi (Phosphonic Acid)
CAS No.:	2809-21-4
Molecular Weight:	206.02
Molecular Formula:	$C_2H_6O_7P_2$

TECHNICAL SPECIFICATION

Index	HEDP 60%
Appearance	Clear, Colorless to pale yellow aqueous solution
Active content (HEDP) by wt %	58.0 - 62.0
Active content (HEDP·H ₂ O) by wt %	-
Phosphorous acid (as PO ₃ ³⁻) by wt %	2.0 max
Phosphoric acid (as PO ₄ ³⁻) by wt %	0.8 max
Chloride (as Cl ⁻) by wt %	0.02 max
pH (1% water solution)	2.0 max
Density (20°C) g/cm ³	1.40 min
Fe by mg/L	20.0 max
Ca sequestration by mg CaCO ₃ /g	500.0 min

MAIN APPLICATION

HEDP is used as scale and corrosion inhibition in circulating cool water system, oil field and low-pressure boilers in fields such as electric power, chemical industry, metallurgy, fertilizer, etc.

In light woven industry, HEDP is used as detergent for metal and nonmetal. In dyeing industry, HEDP is used as peroxide stabilizer and dye-fixing agent; In non-cyanide electroplating, HEDP is used as chelating agent.

The dosage of 1-10mg/L is preferred as scale inhibitor, 10-50mg/L as corrosion inhibitor, and 1000-2000mg/L as detergent.

Usually, HEDP is used together with polycarboxylic acid.

PACKING, LOADING AND SHELF LIFE

Packing: 1200kg/IBC, according to customers' requirement

Loading: 24mt/20'fcl

Shelf Life: 12 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.