

Technical Data Sheet

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Page 1, Total 1

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Item Name:

HEDPS

PRODUCT INFORMATION

Chinese Name:	羟基乙叉二膦酸四钠
Commodity Name:	HEDPS
Chemical Name:	Tetra Sodium Salt of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid
Other Name:	Tetrasodium Etidronate, Dequest 2016, Dequest 2016D, SPE9528
CAS No.:	29329-71-3 (x-Na), 3794-83-0 (4-Na)
Molecular Weight:	294
Molecular Formula:	$C_2H_4O_7P_2Na_4$

PRODUCT DESCRIPTION

HEDP- Na_4 is the sodium salt of HEDP, HEDP- Na_4 is an good scale inhibitor for calcium carbonate, it can be used in low pressure boiler water system, circulating water system, industrial and municipal cleaning water system and swimming pool.

The solid HEDP- Na_4 is white powder, soluble in water, easily deliquesce, suitable for use in winter and freezing districts. It is a kind of organophosphonic acid scale and corrosion inhibitor, can form stable complex with Fe, Cu and Zn ions, it can dissolve the oxides on metal surface, it has good scale and corrosion inhibition effect under 250°C.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White powder
Active content (HEDP) by wt %	60.0 min
Active content (HEDP- Na_4) by wt %	85.0 min
Total phosphoric acid (as PO_4^{3-}) %	55.0 min
Fe by mg/L	35.0 max
Moisture by wt %	10.0 max

MAIN APPLICATION

HEDP- Na_4 is widely used in circulating cool water system, medium and low pressure boiler, oil field water pipelines as scale and corrosion inhibitor in fields such as electric power, chemical industry, metallurgy, fertilizer, etc.. In light woven industry, HEDP- Na_4 is used as detergent for metal and nonmetal. In dyeing industry, HEDP- Na_4 is used as peroxide stabilizer and dye-fixing agent; In non-cyanide electroplating, HEDP- Na_4 is used as chelating agent.

PACKING, LOADING AND SHELF LIFE

Packing: 25kg/bag on pallets

Loading: 22mt/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

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