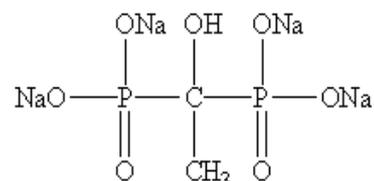


**SolQuest® 2016D 1-HydroxyEthylidene-1,1-Diphosphonic Acid
Tetra Sodium Salt (HEDP•Na4) Powder**

CAS NO.: 29329-71-3(x-Na),
3794-83-0 (4-Na)

Structural Formula:



Molecular Formula: C₂H₄O₇P₂Na₄

Physico-Chemical Properties:

Appearance	White powder
Active content (HEDP)%	60.0 min
Active content (HEDP•Na4)%	85.0 min
Total phosphoric acid(PO ₄ ³⁻) %	55.0 min
Fe, mg/L	35.0 max
Moisture, %	10.0 max
PH(1% water solution)	10.0-12.0

General Information

The solid HEDP•Na₄ is white powder, soluble in water, easily deliquescence, 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.

HEDP•Na₄ 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•Na₄ is used as detergent for metal and nonmetal. In dyeing industry, HEDP•Na₄ is used as peroxide stabilizer and dye-fixing agent; In non-cyanide electroplating, HEDP•Na₄ is used as chelating agent.

Safety Protection

Acidity, Avoid contact with eye and skin, once contacted, flush with water.