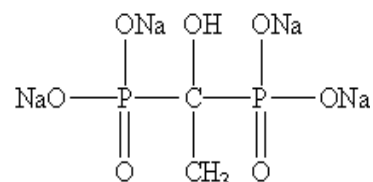


SolQuest® 2016 1-HydroxyEthylidene-1,1-Diphosphonic Acid Tetra Sodium Salt (HEDP•Na4)

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

Structural Formula:



Molecular Formula: C₂H₄O₇P₂Na₄

Physico-Chemical Properties:

| | |
|---|---|
| Appearance | Colorless to yellowish transparent liquid |
| Active content (HEDP)% | 20.3-21.7 |
| Active content (HEDP•Na4)% | 29.0-31.0 |
| Total phosphoric acid(PO ₄ ³⁻) % | 18.4-20.4 |
| Fe, mg/L | 20.0 max |
| PH(1% water solution) | 10.0-12.0 |
| Density (20°C) g/cm ³ | 1.26-1.36 |
| Fe, mg/L | 10.0 max |

General Information

HEDP•Na4 is the sodium salt of HEDP, HEDP•Na4 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.

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.