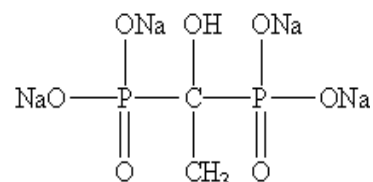


## SolQuest® 2016DG 1-HydroxyEthylidene-1,1-Diphosphonic Acid Tetra Sodium Salt (HEDP•Na4) Powder

CAS NO.: 3794-83-0 -

Structural Formula:



Molecular Formula: C<sub>2</sub>H<sub>4</sub>O<sub>7</sub>P<sub>2</sub>Na<sub>4</sub>

### Physico-Chemical Properties:

Appearance	White granule
Active content (HEDP)%	57.0-63.0
Active content (HEDP•Na4)%	81.0-90.0
Particle Size Distribution(<250 μ m), %	4.0 max
Particle Size Distribution(>800 μ m), %	5.0 max
Bulk density(20°C), g/cm <sup>3</sup>	0.70-1.10
Moisture, %	10.0 max
PH(1% water solution)	11.0-12.0
Fe, mg/L	20.0 max

### General Information

HEDP•Na4 is even granule with excellent fluidity, low dust content, low hygroscopicity and easy handling properties. HEDP•Na4 is a powerful chelating agent. As a household cleaning agent and industrial cleaner auxiliary, HEDP•Na4 can stabilize metal ions in water and enhance effect of decontamination under high pH washing condition. HEDP•Na4 can be used in cosmetics and personal care to restrain rancidity and discoloration. HEDP•Na4 can be used as slow-release scale corrosion inhibitor after being compressed into tablets with other auxiliaries. HEDP•Na4 works as oxygen bleaching stabilizer in dyeing and paper making industry.

The dosage of HEDP•Na4 is around 1.0-5.0% when used as chelating agent in cleaning industry. It works better when combined with polyacrylate sodium, copolymer of maleic and acrylic acid.

### Safety Protection

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