

## KOR PH

**CHEMICAL NAME** 1-hydroxyethylidene-1,1diphosphonic acid (HEDP Acid)

**Molecular Formula** C<sub>2</sub>H<sub>8</sub>O<sub>7</sub>P<sub>2</sub>

**CAS No** 2809-21-4

**Einecs No** 220-552-8

### ODUCT FEATURES

- ✓ The product an Organophosphoric acid corrosion inhibitor
- ✓ Excellent CaCO<sub>3</sub> scale inhibition and chlorine stability
- ✓ It can chelate Fe, Cu and Zn ions
- ✓ Built together with other water treatment chemicals, product performs good synergitic performance.
- ✓ Product is hard to be decomposed under normal light and heat conditions

### USE AREA

- ✓ Cooling water treatment
- ✓ Boiler treatment
- ✓ Metal ion Control
- ✓ Paper Industry
- ✓ Acid cleaning
- ✓ Cosmetics

#### MKS DevO Chemicals

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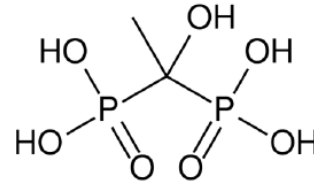
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## HEDP ACID

### STRUCTURE



### PHYSICAL PROPERTIES

<b>Active Content(HEDP)%</b>	58 - 62
<b>Phosphoric Acid( as PO<sub>4</sub>)%</b>	0,8 max.
<b>Chloride (as Cl), ppm</b>	100 max.
<b>Fe ion, ppm</b>	10 max.
<b>Color APHA</b>	40 max.
<b>Boiling Point °C</b>	Approx. 100°C
<b>Density (@20°C),g/cm<sup>3</sup></b>	1,40 – 1,50
<b>pH (%1) @25°C</b>	0,0 – 2,0
<b>Appearance</b>	Clear,Colorless to Pale Yellow Aqueous Solutions

### SAFETY

UN 3265  
CORROSIVE LIQUID, ACIDIC, ORGANIC,  
N.O.S., Class 8, PG III

### PACKAGE

Container, Drum and IBC

### STORAGE

Material should be kept cool and dry for best results.