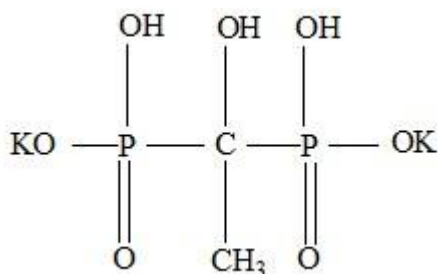


Potassium Salt of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid (HEDP.K₂)



CAS No.	67953-76-8	EINECS No.	267-956-0
Molecular Formula	C ₂ H ₆ O ₇ P ₂ K ₂	Molecular Weight	282

Structural Formula



Product Features

HEDP.K₂ is potassium salt of HEDP (Hydroxy Ethylidene 1,1-Diphosphonic Acid). HEDP.K₂ has high solubility at neutral pH levels relative to sodium salts. HEDP.K₂ is a good scale inhibitor for calcium carbonate.

Technical Specification

Items	Index
Appearance	Colorless to yellowish transparent liquid
Active content(HEDP), %	26.0-30.0
Total phosphoric acid (PO ₄ ³⁻), %	24.7-26.7
Fe, mg/L	20 max
Density (20℃), g/cm ³	1.30-1.40
pH (1% water solution)	6.0-8.0





Applications & Usage

HEDP.K₂ can be used in metal corrosion inhibitor, antifouling agent of swimming pool, metal cleaning, volume cleaning, iron dust controlling, metal pretreatment, low pressure boiler water treatment and circulating water treatment, etc.

Scale & Corrosion Inhibition Performance

CaCO ₃ inhibition	CaSO ₄ inhibition	Ca ₃ (PO ₄) ₂ inhibition	BaSO ₄ inhibition	CaF ₂ inhibition
Excellent	Poor	Very Good	Good	Good
Calcium Tolerance	Iron Control	Sequestration	Steel corrosion inhibition	
Poor	Yes	Good	Very Good	

Package & Storage

HEDP.K ₂ Liquid			
25L Drum	200L Drum	1000L IBC	ISO Tank
			
Storage for ten months in shady room and dry place.			

Hazard & Safety Precaution

Hazard Information	Safety Precaution
Not regulated	  
Once contacted with eye and skin, flush with plenty of clean water.	

Alternative Name / Synonyms

- Disodium Etidronate Hydrate;
- Disodium dihydrogen bisphosphonate (1-hydroxyethylidene)bisphosphonate

HEDP.K₂ related products :

- Disodium Salt of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid
- 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid (HEDP)
- Disodium Salt of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid (HEDP•Na₂)
- Potassium salt of 1-HydroxyEthylidene-1,1-Diphosphonic Acid (HEDP•Kx)