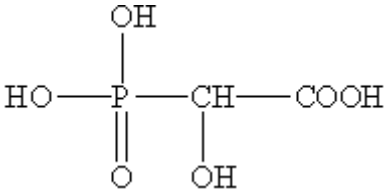
2-Hydroxy Phosphonoacetic Acid (HPAA)

CAS No. 23783-26-8

Molecular Formula: $C_2H_5O_6P$ Molecular weight: 156

Structural Formula:



Properties:

HPAA is chemically stable, hard to be hydrolyzed, hard to be destroyed by acid or alkali, safety in use, no toxicity, no pollution. ***HPAA*** can improve zinc solubility. Its corrosion inhibition ability is 5-8 times better than that of HEDP and EDTMP. When built with low molecular polymers, its corrosion inhibition effect is even better.

Specification:

Items	Index
Appearance	Dark umber liquid
Solid content, %	50.0min
Total phosphonic acid (as PO_4^{3-}), %	25.0 min
Phosphoric acid (as PO_4^{3-}), %	1.50 max
Density (20℃), g/cm^3	1.30 min
pH (1% water solution)	1.0-3.0

Usage:

HPAA is mainly used as cathode corrosion inhibitor in oilfield refill water system in fields

such as steel & iron, petrochemcal, power plant and medical industries. When built with zinc salt, the effect is even better.

Package and Storage:

200L plastic drum,IBC(1000L),customers' requirement. Storage for one year in shady room and dry place.

Synonyms:

HPAA;HPA;

2-Hydroxyphosphonocarboxylic Acid;

Hydroxyphosphono-acetic acid;

2-HYDROXY PHOSPHONOACETIC ACID

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