

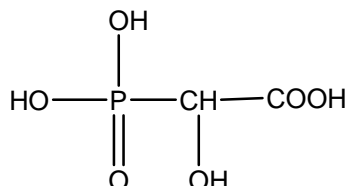
2-Hydroxyphosphonocarboxylic Acid (HPAA)

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 transparent viscous liquid
Solid content %	47.0-50.0
Phosphorous acid (as PO_3^{3-}) %	4.0max
Density (20°C) g/cm^3	1.30min
pH (1% 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, petrochemical, power plant and medical industries. When built with zinc salt, the effect is even better.

Package and Storage:

Normally In 250kg net Plastic Drum, IBC drum can also be used as required. Storage for one year in room shady and dry place.