



2-HYDROXYPHOSPHONO-CARBOXYLIC ACID (HPAA)

SYNONYMS:

HPAA; HPA; 2-Hydroxyphosphonocarboxylic Acid; Hydroxyphosphono-acetic acid; 2-hydroxy Phosphonoacetic Acid

CAS No: 23783-26-8

MOLECULAR FORMULA: C₂H₅O₆P

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:

Appearance	Dark brown liquid
Solid Content	48.0 ~ 52.0%
Phosphorous Acid (as PO ₃ ³⁻)	5.0% max
PH (1% solution)	1.0 ~ 3.0
Density (20°C), g/cm	31.35 ~ 1.42

USAGE:

It is mainly used as Scale & Corrosion inhibitor in cooling & boiler water treatment. HPAA is mainly used as cathode corrosion inhibitor in oilfield refill water system in fields such as steel and iron, petrochemical, power plant and medical industries. When built with zinc salt, the effect is even better.

PACKING:

250Kgs Net Drum.