

# AQUACID 105EX

# HEDP Acid

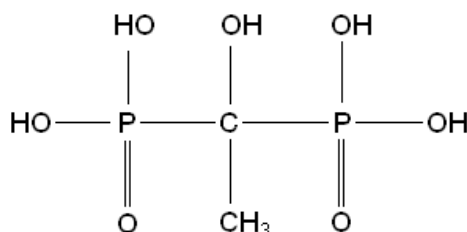
## 1-HYDROXYETHYLIDENE-1, 1-DIPHOSPHONIC ACID

**REACH REGISTRATION NUMBER** 01-2119510391-53-0003

### PRODUCT FEATURES

Aquacid 105 EX is an organophosphonate with multifunctional properties like sequestration of hardness salts and heavy metals, deflocculation, threshold inhibition and hydrolytic stability as a single active ingredient. Because of the combination of these properties Aquacid 105EX has a wide range of applications as a scale inhibitor and corrosion inhibitor.

### STRUCTURE



Molecular Weight: 206

CAS No.: 2809-21-4

EC No.: 220-552-8

### SPECIFICATIONS

Chemical Name : 1-Hydroxyethylidene-1, 1-diphosphonic acid  
 Appearance : Clear aqueous solution  
 Active Content : 60 ± 2 %  
 Specific gravity @ 25°C : 1.44 ± 2  
 pH (1% solution) : Less than 2  
 Chlorides as HCl : < 0.01 %  
 Phosphorous acid : < 2.5 %  
 Acetic acid : < 0.5 %  
 Iron Content (ppm) : < 20  
 Solubility : Soluble in water  
 (These are typical values and not specifications)

### MAJOR APPLICATIONS

Aquacid 105EX is widely used in industrial water treatment, textile auxiliaries, sugar mill anti-scalants, thermal and geo-thermal anti-scalants, oil-field chemicals, reverse osmosis anti-scalants, detergents, industrial and institutional cleaners, soaps and personal care products etc.

### HANDLING PRECAUTIONS

Aquacid 105EX is slightly toxic by ingestion, practically non-toxic on dermal application, moderately irritating to the skin and corrosive to the eyes. Care should be taken to avoid contact with skin and eyes. In case of contact, flush affected area with plenty of water. Goggles and rubber gloves should be used at all times when working with the concentrated material.

### PACKING

65 kg carboys, 275 kg barrels, 295 kg barrels and 1400 kg IBCs