

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. Aquacid 105EX conforms to EN15040 requirements.

Molecular Weight : 206
CAS No. : 2809-21-4
EC No. : 220-552-8

SPECIFICATIONS

Chemical Name : 1-Hydroxyethylidene-1, 1-diphosphonic acid
Appearance : Colourless aqueous solution
Active Content (%) : 58 – 62
Specific gravity @ 25°C : 1.42 to 1.46
pH (1% solution) : < 2
Chlorides (ppm as HCl) : 100 (Max)
Phosphorous acid (%) : 2.5 (Max)
Acetic acid (%) : 0.5 (Max)
Iron Content (ppm) : 10 (Max)
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 harmful 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 carboy, 275 kg drum, 295 kg drum and 1400 kg IBC