AQUACID 105EX

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
Chemical Name : 1-Hydroxyethylidene-1, 1-diphosphonic acid
CAS No : 2809-21-4
EC No. : 220-552-8
Molecular Weight : 206
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)

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