

AQUACID 1054EX

Na₄HEDP

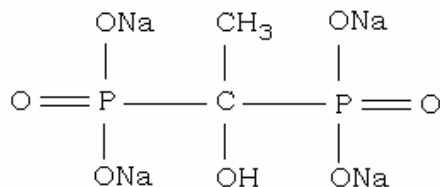
TETRA SODIUM SALT OF 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID

REACH REGISTRATION NUMBER 01-2119510382-52-0003

PRODUCT FEATURES

Aquacid 1054EX is an organophosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient. Because of the combination of these properties Aquacid 1054EX has a wide range of applications. Aquacid 1054EX is an excellent inhibitor of CaCO₃ and CaSO₄ precipitation and chelation of transition metals like Fe, Mn, Ni, Co, Cr etc.

STRUCTURE



SPECIFICATIONS

Chemical Name : Tetra sodium salt of 1-Hydroxy ethylidene-1,1-diphosphonic acid
CAS No : 29329-71-3
EC No. : 249-559-4
Molecular Weight : 294
Appearance : Clear colourless to pale yellow aqueous soln.
Active Content : 21 ± 1 % (as acid)
: 28.5 to 31.4% (as salt)
Specific gravity @ 25°C : 1.30 ± 0.04
pH (1% solution) : 11 – 12
Iron Content (ppm) : < 25
Chlorides as HCl : < 200 PPM
Solubility : Soluble in water
(These are typical values and not specifications)

MAJOR APPLICATIONS

Aquacid 1054EX is recommended to use in detergent formulations, cooling water and boiler water formulations, sugar mill anti-scalants, textile auxiliary formulations and many other applications where scale / incrustation control and heavy metal chelation are desired.

HANDLING PRECAUTIONS

Aquacid 1054EX is slightly toxic by ingestion, practically non-toxic on dermal application, moderately irritating to skin and corrosive to eyes. Care should be taken to avoid contact with skin and eyes. In case of contact, flush the affected area with plenty of water. Goggles & rubber gloves should be used at all times when working with the concentrated material. Please refer MSDS for detailed information.

PACKING

65 kg carboys, 275 kg barrels, 1250 kg IBCs and 26000 kg ISO tanks