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Aquapharm Chemicals Pvt. Limited

AQUACID 105EX

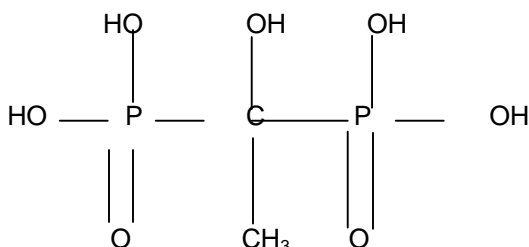
HEDP Acid

1 HYDROXY ETHYLIDENE DIPHOSPHONIC ACID

PRODUCT FEATURES

AQUACID-105 EX 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-105 EX has a wide range of applications. One of the most important applications is in scale prevention and corrosion inhibition in water treatment.

STRUCTURE



SPECIFICATIONS

Chemical Name	: 1 Hydroxy ethylidene 1,1-diphosphonic Acid
CAS No.	: 2809-21-4
Molecular Weight	: 206
Appearance	: Clear colourless to pale yellow aqueous Solution
Active Content	: 60 ± 2%
Specific gravity (g/ml) 25/25°C	: 1.45 ± 0.02
pH (1% solution)	: Less than 2
Chlorides	: < 0.01 %
Iron Content (ppm)	: < 20
Solubility	: Soluble in water

(These are typical values and not the final specifications)

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MAJOR APPLICATIONS

It is used as a strong chelating agent for metal ions like Ca, Mg & Fe in water treatment, textile applications. They show efficient inhibition for CaCO_3 & CaSO_4 alone or in combination with low molecular weight polymers. They show efficiency in protecting metal corrosion. This is having very strong chlorine stability.

HANDLING PRECAUTIONS

AQUACID-105 EX 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 the affected area with plenty of water. Goggles and rubber gloves should be used at all times when working with the concentrated material.

PACKING

65 Kgs Carbouy / 275 or 295 Kgs Polydrum /
1400 Kgs of IBC / 26000 Kgs of ISO Tank