

AQUACID[®] 101EX

PBTC Acid

2-Phosphonobutane-1,2,4-tricarboxylic acid

REACH PRE-REGISTRATION NUMBER 01-2119436643-39-0005

PRODUCT FEATURES

AQUACID 101EX is an organophosphonate exhibiting multifunctional properties of sequestration, deflocculation, threshold inhibition & stability to oxidizing biocides such as chlorine and bromine. Aquacid 101EX is the preferred scale control agent in high hardness water due to its high Ca tolerance compared to other phosphonates.

Molecular Weight : 270
CAS No. : 37971-36-1
EC No. : 253-733-5

SPECIFICATIONS

Chemical Name : 2-Phosphonobutane-1,2,4-tricarboxylic acid
Appearance : Clear colorless to pale yellow aqueous solution
Active Content (%) : 49 - 51
Specific gravity @ 25°C : 1.27 - 1.30
pH (1% solution) : < 2
Chlorides as HCl (ppm) : 10 (Max)
Iron Content (ppm) : 10 (Max)
Solubility : Soluble in water
(These are typical values and not specifications)

MAJOR APPLICATIONS

- Scale inhibitor in cooling water treatment, reverse osmosis anti-scalants etc. especially in high water hardness conditions. Effective against CaCO₃ and CaSO₄ scales.
- Additive for industrial & institutional cleaners, laundry & dish wash detergents.

HANDLING PRECAUTIONS

Aquacid 101EX is slightly harmful by ingestion, practically non-toxic on dermal application, moderately irritating to the skin and 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 and rubber gloves should be used at all times when working with concentrated material. Please see MSDS for detailed information.

PACKING

60 kg carboy, 250 kg drum and 1250 kg IBC.