2-PHOSPHONOBUTANE -1, 2, 4-TRICARBOXYLIC ACID [PBTCA]

SYNONYMS:

PBTCA; PBTC; PHOSPHONOBUTANE TRICARBOXYLIC ACID; 2-Phosphonobutane -1,2,4-Tricarboxylic Acid; 2-Phosphonobutane-1,2,4-tricarboxylic acid PBTC

CAS No: 37971-36-1

MOLECULAR FORMULA: C7H11O9P

OTHER TRADE NAME: Belclene 650

PROPERTIES:

PBTC is a 50% aqueous solution of 2-phosphonobutane-1, 2, 4-tricarboxylic acid (PBTC) designed to control calcium scale formation and precipitation in highly stressed alkaline Industrial Water Treatment (IWT) and boiler systems. PBTC has been widely used in industry as a sequestering agent and calcium carbonate scale inhibitor for applications in industrial water treatment and industrial cleaning.

SPECIFICATION:

- Appearance: Clear, Colorless to pale yellow aqueous solution
- Active Content (as PBTC): 49.0 - 51.0%
- Phosphorous acid (as PO33-) 0.5% max
- Phosphoric acid (as Po43-) 0.2% max
- pH (1% solution): 1.5 - 1.9
- Density (20° C) g/cm³ 1.27 - 1.31
- Iron(as Fe): 10.0ppm max.
- Chlorides (as CL-): 10.0ppm max.

USAGE:

It is mainly used as Scale & Corrosion Inhibitor in Cooling, Boiler & Field Water Treatment.

PACKING:

200Kgs Net Drum.