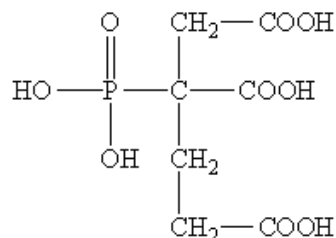


## SolQuest® 7000 2-Phosphonobutane -1,2,4-Tricarboxylic Acid (PBTC)

**CAS NO.:** 37971-36-1

**Structural Formula:**

**Molecular Formula:** C<sub>7</sub>H<sub>11</sub>O<sub>9</sub>P



### Physico-Chemical Properties:

Appearance	Clear, Colorless to pale yellow aqueous solution
Active acid %	50.0 min
Phosphorous acid (as PO <sub>3</sub> <sup>3-</sup> )%	0.5 max
Phosphoric acid (as PO <sub>4</sub> <sup>3-</sup> )%	0.2 max
Chloride (as Cl-) mg/L	10.0 max
PH(1% water solution)	1.5-2.0
Density (20°C) g/cm <sup>3</sup>	1.40 min
Fe, mg/L	10.0 max

### General Information

PBTC is a high efficient agent as scale and corrosion inhibitor. PBTC is the excellent stabilizer for zinc salt. It is widely used in circulating cool water system and oilfield refill water system as scale and corrosion inhibitor, suitable to composite with zinc salt and copolymer. PBTC can be used in situations of high temperature, high hardness, high alkali and high concentration index. In lavation fields, it is used as chelating agent and metal detergent.

PBTC is usually used together with zinc salt, copolymer, organophosphine, imidazole and other Water Treatment Chemicals. When used alone, the dosage of 5-15mg/L is preferred.

### Safety Protection

Acidity, Avoid contact with eye and skin, once contacted, flush with water.