

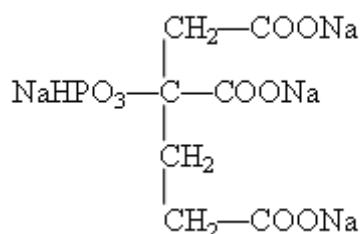
## 2-Phosphonobutane -1,2,4-Tricarboxylic Acid, Sodium salt (PBTC•Na<sub>4</sub>)

CAS No. 40372-66-5

Molecular Formula: C<sub>7</sub>H<sub>7</sub>O<sub>9</sub>P•Na<sub>4</sub>

Molecular weight: 358

Structural Formula:



### Properties:

**PBTC•Na<sub>4</sub>** has low content of phosphoric, its structure contains both phosphonic acid and carboxylic acid group, which enable its good scale and corrosion inhibition properties. Its scale inhibition property under high temperature is far better than that of organophosphines. **PBTC•Na<sub>4</sub>** can improve the solubility of zinc salt, has good chlorine oxidation tolerance and good composite synergy. The solid state is easy deliquescence.

### Specification:

Items	Index	
Appearance	Colorless to yellowish transparent liquid	White powder
Active content (PBTC), %	30.0min	67.0-73.0
Active content (PBTC•Na <sub>4</sub> ), %	40.0min	88.8-96.8
Fe, mg/L	-	35.0max

Density (20°C), g/cm <sup>3</sup>	1.35min	-
pH (1% water solution)	9.0-12.0	6.5-8.0
Bulk Density (kg/m <sup>3</sup> )	-	400-700
Mean Particle Size (microns)	-	140-220

## Usage:

**[PBTC•Na4](#)** is the widely used and high effective agent as composite scale and corrosion inhibitor, it is also the excellent stabilizer for zinc salt. **[PBTC•Na4](#)** is used as scale and corrosion inhibitor in circulating cool water system and oilfield refill water system, especially used together with zinc salt and copolymer. **[PBTC•Na4](#)** can be used in situations of high temperature, high hardness, high alkaline and high concentration index, **[PBTC•Na4](#)** is used as chelating agent and metal detergent in lavation fields.

**[PBTC•Na4](#)** is usually used together with zinc salt, copolymer, organophosphine, imidazole and other Water Treatment Chemicals.

## Package and Storage:

25kg/bag,customers' requirement. Storage for one year in shady room and dry place.

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### Contact Us

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