

2-Phosphonobutane -1,2,4-Tricarboxylic Acid, Sodium salt

(PBTCA • Na₄)

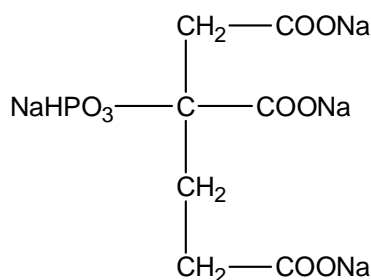
CAS No. 40372-66-5

Dequest 7006

Molecular Formula: C₇H₇O₉P • Na₄

Molecular weight: 358

Structural Formula:



Properties:

PBTCA • Na₄ 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. PBTCA • Na₄ can improve the solubility of zinc salt, has good chlorine oxidation tolerance and good composite synergy. The solid state is easy deliquescence.

Specification:

项 目	指 标
Appearance	White powder
Active component (PBTC) %	67.0-73.0
Active component (PBTC • Na ₄) %	88.8-96.8
Total phosphoric acid (PO ₄ ³⁻) %	23.5-25.5
Fe ppm	35max
PH (1% water solution)	6.5-8.0

Usage:

PBTCA • Na₄ is the widely used and high effective agent as composite scale and corrosion inhibitor, it is also the excellent stabilizer for zinc salt. PBTCA • 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. PBTCA • Na₄ can be used in situations of high temperature, high hardness, high alkaline and high concentration index, PBTCA • Na₄ is used as chelating agent and metal detergent in lavation fields.

PBTCA • Na₄ is usually used together with zinc salt, copolymer, organophosphine, imidazole and other water treatment agents.

Package and Storage:

Normally In 250kg net Plastic Drum, IBC drum can also be used as required. Storage for one year in room shady and dry place.