

# PARA TERTIARY BUTYLPHENOL (PTBP)



CAS Number: 98-54-4

Other Names: 4-(tert-Butyl)phenol; PTBP

Formula:  $C_{10}H_{14}O$  or  $HOC_6H_4C(CH_3)_3$

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## PRODUCT INTRODUCTION

Para tertiary butylphenol (PTBP) appears as crystals or practically white flakes. It has a disinfectant-like odor and it is insoluble in water. It is an important commercial chemical.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Scale, granules, crystals of white colour. Pink creamy shade is allowed.
Temperature of Crystallizing, °C, not less than	98.3
Color of Solution in ethyl alcohol, not more than	10
Mass Fraction of Basic Material, %, not less than	99.7
Mass Fraction of Phenol, %, Not more than	0.0010
Mass Fraction of o-TBP, %, not more than	0.150
Mass Fraction of 2,4-diTBP, %, not more than	0.042
Mass fraction of water, %, not more than	0.050

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## APPLICATIONS

- PTBP has antioxidant properties and is used as a stabilizer in rubber and chlorinated hydrocarbons, and, formerly, in soaps.
  - The esters of 4-tert-butylphenol with phosphorous and phosphoric acids are UV stabilizers for plastics and lacquers.
  - It serves as a chain-length regulator in the production of polycarbonate resins.
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## PACKING OPTIONS

Drums

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