



2,4 Di-Tert-Butylphenol

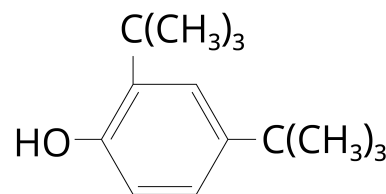
Chemical Structure

Chemical Name 2,4-Di-Tert-Butylphenol

Chemical Formula C₁₄H₂₂O

Cas No. 96-76-4

Molecular Weight 206.31



Specifications

Appearance White to light yellow crystal or colorless to light yellow liquid

Specific Gravity (25°C) 0.92

Melting Range (°C) 54 ~ 58

Boiling Point at Atmospheric Pressure (°C) 263

Moisture Content % ≤ 0.05

Color Value (Hazen) ≤ 50

Purity % ≥ 99.50

2,6-Di-Tert-Butylphenol Content % ≤ 0.1

Usage Notes

Toxicity and Protection

This product has low toxicity and causes minimal irritation in its solid form. However, in its liquid state, it may cause increased irritation to the skin and mucous membranes. Avoid ingestion and direct skin contact. When handling the product, always wear gloves and safety goggles for protection.



2,4 Di-Tert-Butylphenol

Properties

It is not easily ignited, but flammable, and has a mild odor at room temperature. As the temperature increases, it becomes more volatile and gives off a distinct alkylphenol scent. It readily dissolves in organic solvents such as alcohols, esters, alkanes, and aromatic hydrocarbons like ethanol, butyl acetate, gasoline, and toluene. Its solubility in water is practically negligible. Like other phenolic compounds, it tends to darken over time when exposed to light, heat, or air.

Applications

It is a primary raw material for phosphite-based antioxidants, such as 168, 626, 618, and PEPQ. It is also a key intermediate for producing light stabilizers and high-efficiency emulsifiers.

Storage

It should be handled according to standard chemical product requirements. Ensure fire prevention, water isolation, and protection from package rupture.

Packaging

The product is packaged in galvanized steel drums lined with polytetrafluoroethylene (PTFE). Net weight: 186 kg per drum.
