



**EXCEL Chemical Corporation**

S/N

Edition

0.1

**2,6 DTBP Material Specifications**

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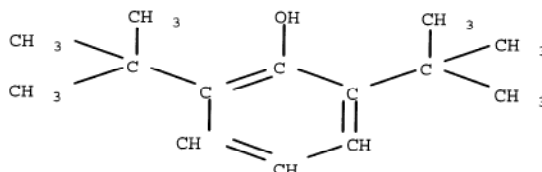
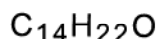
## 2. Properties of Material

2,6 DTBP is a kind of yellowish crystal ; it can be dissolved with Ethanol or Benzene, but can not be dissolved in water. Its main use is the raw material of antioxidant. Antioxidant was broadly used in engineering plastics (POM、PBT), Rubbers (ABS、HIPS、BR、TPR) and as additive of aircraft fuel. 2,6 DTBP is also used as the crude material of Biphenol (the main material of Liquid crystal polymer). It is an organic intermediate with extensive application. Specification as follow,



### 2,6 Di-tertiary-Butyl-Phenol

FORMULA :



**CHEMICAL NAME : 2,6 Di-Tertiary-Butyl-Phenol**

#### PHYSICAL PROPERTIES :

Molecular Weight .....	206.3 g/ mole
Appearance .....	clear light straw colored
Boiling Point, °C.....	253
Freezing Point, °C .....	35-36.5
Density, 40 °C.....	0.910g/cm <sup>3</sup>
Flash Point, °C.....	118(Open Cup)
Water Solubility, mg/L (25 °C).....	4.11
Auto Ignition Point, °C .....	375
Vapor Pressure ,mmHg (84.5 °C) .....	1

#### SPECIFICATIONS :

Property	Test method	Specified Limit
Purity, % wt	by gas-chromatography	99.5 min.
Water Content, % wt	ASTM D1364-64	0.05 max.
Color, APHA	ASTM D1209	100 max.

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