

BHT

BUTYLATED HYDROXY TOLUENE

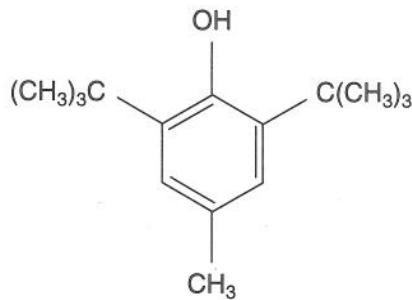
PRODUCT DATA SHEET March 1998

IDENTIFICATION

SYNONYM(S) BHT Food Grade, BHT Crystal, BHT Free Flow Crystal (Pellet)
 2,6-di-tert-butyl-p-cresol
 2,6-di-tert-butyl-4-methyl-phenol

CAS Number 128-37-0

STRUCTURAL FORMULA



CONDENSED FORMULA

C₁₅H₂₄O

MOLECULAR WEIGHT

220.34

SPECIFICATIONS

- Purity, wt % 99 minimum
- Freezing Point, °C 69.2 minimum
- Color, Molten (APHA) 50 maximum
- Ash, residue on ignition, % 0.002 maximum
- Arsenic, ppm 3 maximum
- Heavy metals as lead, ppm 10 maximum

The analytical methods used are available on request. The first 3 items are available on a Certificate of Analysis. Quarterly SPC charts on freeze point and color upon request.

GENERAL PROPERTIES

- Appearance white crystal
- Specific Gravity, 60/60°F. 1.01 (8.42 lbs/gal)
- Flash Point (closed cup) 245°F
- Bulk Density 37.5 lbs/cu ft

SOLUBILITIES AT 20° C (Weight %)					
Methyl Alcohol	20	Benzene	40	Mineral Oil	30
Isopropyl Alcohol	20	Methyl Ethyl Ketone	45	Linseed Oil	28
Ethyl Alcohol	26	Petroleum Ether	50	Lard (50° C)	48
Sodium Hydroxide	Insoluble	Water	Insoluble		

TYPICAL SIZE DISTRIBUTION (% Retained)			
Screen	Crystal	Free Flow	Crystal
On 10 mesh	2	19	
On 20 mesh	30	63	
On 30 mesh	33	12	
On 60 mesh	33	6	
Through 60 mesh	3	<1	

APPLICATIONS

BHT is a hindered phenolic antioxidant/preservative that is widely used in the following application:

- Plastics - Polypropylene, Polyois, HDPE, LDPE, Polystyrene, PVC, ABS, Polybutylene and Hydrocarbon Resins.
- Elastomers - Block copolymers, SBR, EPDM, Nitrile, Neoprene and other synthetic and natural rubbers.
- Oils - Lubricating, specialty and synthetic oils, industrial fats, fatty acids, transformer oils and transmission fluids.
- Food - Lard, shortening, tallow, animal feeds, vegetable oils.

PACKAGING

- 3-ply lined paper bags: 50 lb. net and ²⁵20 kg. net
- Fiber drum/level lock lid with seals: 100 lb. net
- Other packaging on request

STORAGE CONDITIONS

BHT should be stored in closed containers, under dry conditions. BHT may yellow and/or agglomerate over time. This will not effect its efficacy to the products being stabilized.

SAFETY INSTRUCTIONS

Please consult our material safety data sheet.

WARNING TO USERS

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