



BHT

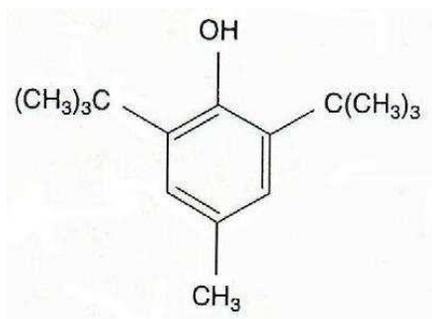
BUTYLATED HYDROXY TOLUENE

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-cresol

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 are available 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	30	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	30	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, Polyols, 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 25 kg. net

Fiber drum/lever lock lid with seals: 100 lb. net (Crystal and Free Flow Crystal) and 200 lb. net (Free Flow Crystal only)

Other packaging on request: bulk bags (Free Flow Crystal only)

STORAGE CONDITIONS

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

SAFETY INSTRUCTIONS

Please consult our material safety data sheet.

WARNING TO USERS

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Sasol Chemicals (USA) LLC
 292 State Route 8
 Oil City, PA 16301-5626
 Technical, Safety/Health, Environmental - 814/677-2028
 Customer Service, Orders - 800/967-7955 option 1
 New Sales Inquiries - 832/783-6625

Rev. 1/21/2016