



BHT

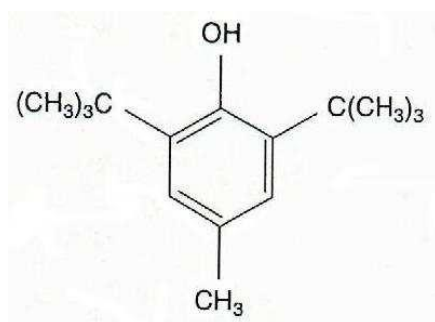
BUTYLATED HYDROXY TOLUENE

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 $C_{15}H_{24}O$

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

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Sasol Chemicals (USA) LLC guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and Sasol Chemicals (USA) LLC is at their disposal to supply any additional information.

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