



sasol

PRODUCT DATA SHEET

Sasol Base Chemicals

Product Stewardship and Technical Services

BHT

Butylated Hydroxy Toluene

Technical support:

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Product Technical Support
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Features:

- Synonyms: BHT Food Grade, Crystal, Free Flow Crystal (pellet)
2,6-di-tert-butyl-p-cresol
2,6-di-tert-butyl-4-methylphenol
- Appearance: White crystal
- Molecular weight: 220.34
- Specific Gravity, 60/60°F: 1.01 (8.42 lb/gal)
- Flash point (closed cup) : 244°F
- Bulk Density: 37.5 lbs/cu ft
- CAS #: 128-37-0

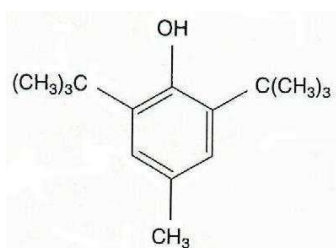
Applications:

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

- Plastics – Polypropylene, 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, vegetable oils, animals feeds

SELECTED PROPERTIES

TEST	UNITS	TYPICAL VALUE	TEST METHOD
PURITY	wt%	99 min	Available upon request
FREEZING POINT	°C	69.2 min	Available upon request
COLOR, MOLTEN	APHA	50 max	Available upon request
ASH, RESIDUE UPON IGNITION	%	0.002 max	Available upon request
ARSENIC	ppm	3 max	Available upon request
HEAVY METALS AS LEAD	ppm	10 max	Available upon request



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Packaging and Transportation

- 3-ply lined paper bags (Crystal and Free Flow Crystal): 50 lb net (domestic) and 25 kg net (export)
- Fiber drum/lever lock 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), tank truck (Molten BHT)
- Blends of BHT in mineral oil (Impruvol 20) and other oils are also available.
- BHT Free Flow Crystal (pellet) is free flowing due to the larger particle size (see below) and a more spherical shape of the crystalline product. There is no free flowing agent added to this product.

Storage and Shelf life

- 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.
- Sasol Chemicals does not guarantee the suitability of this product for any particular use. The user is solely responsible for determining specific product application and suitability.

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

Disclaimer

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For detailed safety and handling information, please refer to the respective Sasol Chemicals safety data sheet.