Technical Data Sheet
Eastman™ MTBHQ

Applications

- Acrylic acid
- Commerical printing inks
- Intermediates
- Kitchen & bath
- Molding & trim interior
- Paints & coatings
- Photographic supplies
- Protective coatings

Product Description

Eastman™ MTBHQ (mono t-butyl hydroquinone) is a light tan solid. Eastman™ MTBHQ is used primarily as a polymerization inhibitor and industrial antioxidant. Its higher solubility and increased potency at higher temperartures combine to make it more useful in many applications than unsubstituted hydroquinone. The hindered hydroxyl group also makes Eastman™ MTBHQ an interesting organic intermediate.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	166.22
Empirical Formula	$C_{10}H_{14}O_2$
Appearance	Light tan solid
Assay	98 wt % min.
Specific Gravity @ 20°C/20°C	1.05
Melting Point	125 °C
Boiling Point	295 °C
Flash Point Cleveland Open Cup	171 °C (340 °F)
Autoignition Temperature	457 °C (855 °F)
Solubility @ 25° (77ºF)	
In Acetone	66 wt %
In Ethanol (95%)	> 60 wt %
In Ethyl Acetate	50 wt %
In Styrene	< 5 wt %
In Toluene	Insoluble
in Water	Moderate

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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