

PRODUCT LITERATURE

TBC - P

4-tert butyl Catechol

.....is available from DIC International (USA), Inc. in crystalline pellet form.

USES INCLUDE

polymerization inhibitor for monomers including butadiene, styrene, vinyl acetate, vinyl chloride, chloroprene, isoprene, and unsaturated hydrocarbons

antioxidant/stabilizer for polyethylene, silicone rubber, heptane, vinyl pyridine, and dicyclopentadiene

chelating agent for stannic tin catalysts used in urethane foams

gum inhibitor for ethylene and propylene compressors

polymerization retarder/inhibitor for unsaturated polyester resins

SPECIFICATIONS

| | |
|---------------|--------------------|
| TBC by weight | 98.8 % min |
| Color Gardner | 1 Max |
| Appearance | Light Yellow Solid |

PHYSICAL PROPERTIES

| | |
|----------------------------------|--|
| Freezing point | 50 ° C |
| Melting Point | 53 ° C |
| Flash Point, TTC | 366 ° C |
| Boiling Point | 285 ° C @ 760 mm Hg |
| Specific Gravity @ 60/25 ° C | 1.049 |
| Vapor Pressure | 1 mm Hg @ 107 ° C 0.28 mm Hg @ 25 ° C |
| Weight | 8.73 lbs. / gal |
| Specific heat | 0.35 cal/gm/° C |
| Heat of vaporization | 71 cal/gm |
| Heat capacity | 0.35 cal/gm/° C |
| Solubility, gm / 100 gm @ 25 ° C | |
| Acetone | 240 |
| Benzene | 80 |
| Ethyl ether | 240 |
| Methanol | 500 |
| Water | 0.2 |
| Styrene monomer @ 35 ° C | 75 |

SHIPPING CONTAINER

44.1 lbs. net
1G / X 5.4 / S fiber Drum with a Metal Lid/Ring-PE liner/bag

DOT SHIPPING CLASSIFICATION

Corrosive Solid, Acidic, Organic, N. O. S.
8, UN 3261, PG II
(contains tert butyl Catechol)

HANDLING

All skin and eye contact, inhalation, and ingestion of TBC - P should be avoided. For specific precautions refer to the Material Safety Data Sheet.

STORAGE

TBC - P is hygroscopic and is easily oxidized upon prolonged exposure to air, resulting in discoloration. Resin lined (epoxy-phenolic) or stainless steel containers are recommended for TBC - P storage. Please note, unlined carbon steel will discolor TBC - P upon prolonged exposure or residence time. TBC - P can be stored in a carbon steel or fiber container if contained in a polyethylene bag. Storage of TBC - P should be avoided at temperatures above 40 ° C as melting may begin or occur.

DIC International (USA) Houston is available for consultation and specific recommendations regarding safe handling, storage, and specific use of TBC - P

OTHER REFERENCE INFORMATION

TSCA No. A-333-4855

CAS No. 0098-29-3

NFPA Classification Red-0, Yellow-0, White-blank, Blue-3

WHMIS Classification (Canada) DIB.E

TBC 20 is a TM of the manufacturer, **Dainippon Ink & Chemicals, Inc.** DIC's manufacturing facility is located in Chiba Prefecture, Japan and is an ISO 9001 / ISO 14001 Certified Facility. TBC - P is marketed in North America by **DIC International (USA), Inc.**, a fully owned subsidiary of **Dainippon Ink & Chemicals, Inc.**

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