

2.2'-Dithiobis(Benzothiazole) (MBTS)

TECHNICAL DATA SHEET

CAS #: 120-78-5

MBTS is a non-staining, primary thiazole accelerator widely used in both natural and synthetic rubber compounds. It exhibits high activity at temperatures above 280°F. For effective curing, MBTS requires activation with zinc oxide, a fatty acid, and sulfur. When used alongside secondary accelerators such as aldehyde amines, dithiocarbamates, guanidines, or thiurams, MBTS can significantly enhance cure rates. In addition to its role as an accelerator, MBTS also functions as a retarder in polychloroprene and peroxide cure systems, helping to control scorch and processing safety.

SALES SPECIFICATIONS & PROPERTIES

<u>PROPERTY</u>	<u>LIMITS</u>
Appearance	Light Cream Powder
Initial Melting Point, C	165.0 Minimum
Heat Loss, %	0.5 Maximum
Ash Content, %	0.5 Maximum
Sieve Residue, 150 um,%	0.10 Maximum
Oil Content, %	1.50 Maximum
Purity, %	95.0 Minimum

PRODUCT & PACKAGING INFORMATION

MBTS is packaged in 25 kg paper bags with poly liners or 500 kg super sacks. Store in cool, dry, well-ventilated area. Avoid direct sunlight.

GRADES AVAILABLE

Technical

CONTACT INFORMATION

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