

**SOVEREIGN CHEMICAL COMPANY**

1225 West Market St., Akron OH 44313

Phone: 330-869-0500, Fax: 330-869-0518

www.sovchem.net

Sovchem® MBTS Powder**Manufacturer:** Sovereign Chemical Company**Classification:** Thiazole Accelerator**Chemical Composition**

Chemical Structure:

Empirical Formula: C₁₄H₈S₄N₂

Molecular Weight: 332.5

CA Nomenclature: Benzothiazole, 2, 2'-dithiobis

Synonym Nomenclature: Mercaptobenzothiazole disulfide
Benzothiazyl disulfide
Dibenzothiazole disulphide**Physical Data****Specification Properties**

	Value	Test Method
Melting Point (initial), °C	166 minimum	GB11409.1
Heat Loss, % by mass	0.30 maximum	GB11409.4
Ash Content, % by mass	0.30 maximum	GB11409.7-89
Sieve Retention, % at 150 micron	0.10 maximum	GB11409.5-89
Sieve Retention, % at 63 micron	0.50 maximum	GB11409.5-89

Typical Properties

	Value	Test Method
Physical Form	Gray to yellow powder	Visual

Applications

Uses: Given flat, moderately fast cures in NR and SR. Also used in a wide range of general purpose rubber compounds. Non-staining and non-discoloring in "white" socks; used as a plasticizer and retarder in polychloroethylene rubber. Secondary acceleration is usually required for synthetic polymers. Better scorch safety than MBT.

Packaging and Storage**Packaging:** 25 kg (55.1 lb.) bag**Shelf Life:** 2 years from date of manufacture if stored as indicated below**Storage:** Product should be stored in cool, dry place with good ventilation, avoiding exposure of the packaged product to direct sunlight.

Specification Date: December 3, 2013 (Supersedes: May 3, 2012)