

**SOVEREIGN CHEMICAL COMPANY**

1225 West Market St., Akron OH 44313

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

www.sovchem.net

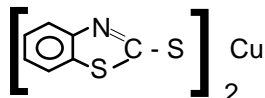
Sovchem CMBT Oiled Powder

Manufacturer: Sovereign Chemical Company

Classification: Thiazole Accelerator

Chemical Composition:

Chemical Structure:



Empirical Formula:	C ₁₄ H ₈ N ₂ S ₄ Cu
Molecular Weight:	396
CA Nomenclature:	Copper 2-mercaptobenzothiazolate
Synonym Nomenclature:	2-Benzothiazolthione, Copper Salt Copper salt of 2-mercaptobenzothiazole

Physical Data

Specification Properties

	Value
Oil Content	0.5 – 2 %
Maximum Heat Loss at 60°C	1.00%
Maximum 63 m Sieve Residue	0.25%
Copper Content Range	14.0 to 17.5%

Typical Properties

Color	Orange
Physical Form	Oiled powder
Specific Gravity	1.77

Applications

Uses: CMBT is a fast-curing accelerator especially suited for EPDM. Its vulcanizates have low compression set. CMBT is used extensively in hose compounding.

Polymers: NR, SBR, NBR, IIR and EPDM.

Synergism: CMBT cure performance can be boosted with thiuram, dithiocarbamate or guanidine accelerators.

Cure Effect: Promotes a flat moderately fast cure rate. CMBT is an intermediate speed accelerator compared to MBTS, and is less scorchy.

Crosslink Type: CMBT promotes a balance of mono-, di- and poly-sulfidic crosslinks resulting in vulcanizates with a good balance between heat aging resistance and tear resistance.

Packaging and Storage

Packaging: 20 Kg (44.1lb.) poly-lined paper bags.

Shelf Life: 2 years if stored as indicated below.

Storage: Store in unopened original packaging in a cool dry place.

Specification Date: February 12, 2004