

# Sovchem CMBT Oiled Powder

Manufacturer: Sovereign Chemical Company  
 Classification: Thiazole Accelerator  
 CA Nomenclature: Copper 2-mercaptobenzothiazolate  
 Chemical Synonyms: 2-Benzothiazolthione, Copper Salt

Specification Properties	Value	Test Method
Copper Content, %	14.0-17.5	3500
Heat Loss, % at 60°C	1.0 maximum	SCC-109
Oil Content, %	0.5-2.0	In Process
Sieve Residue, 63 μ	0.25 maximum	1500
Melting Point, °C	88-105	ASTM D1519
Typical Properties	Value	Test Method
Physical Form	Orange Powder	Visual
Specific Gravity	1.77	Typical

## > 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 (44.09 lb.) bags.

**Shelf Life:** 2 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packages in a cool dry place.

**Specification Date:** February 12, 2004