

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 |
| 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