

Sovchem[®] TBBS Oiled Powder

Manufacturer: Sovereign Chemical Company
 Classification: Sulfenamide Accelerator
 CA Nomenclature: N-t-butyl-2-benzothiazolesulfenamide

Specification Properties	Value	Test Method
Ash Content, %	0.4 maximum	GB11409.7-89
Assay, %	95 minimum	ASTM D4936
Free Amine, %	0.5 maximum	ASTM D4936
Free MBTS, %	0.8 maximum	ASTM D5051
Heat Loss, %	0.4 maximum	GB11409.4
Melting Point (Initial), °C	104 minimum	GB11409.1
Oil Content, %	1-2	In process
Sieve Retention on 150 μ , %	0.1 maximum	GB11409.5-89
Sieve Retention on 63 μ , %	0.5 maximum	GB11409.5-89
Typical Properties	Value	Test Method
Physical Form	Milky white powder	Visual

> APPLICATIONS

Uses: Delayed-action sulfenamide accelerator. TBBS has the ability to provide fast efficient mixing of difficult, highly loaded carbon black reinforced compounds without sacrificing scorch safety or physical properties. Its vulcanizates have good reversion and aging resistance.

Polymers: Natural rubber and most synthetic elastomers. Especially good with SBR.

Synergism: TBBS cure performance can be boosted with thiuram or guanidine accelerators.

Cure Effect: Promotes a fast cure rate with good scorch safety. Can use 10% less TBBS than CBS.

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

> FDA REGULATIONS

Rubber Articles Intended for Repeated Use (177.2600): Limitation 1.5% maximum.

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

Shelf Life: 1 year from date of manufacture if stored as indicated below.

Storage: Store in unopened original packaging in a cool dry place away from direct sunlight.

Specification Date: December 31, 2013 (Supersedes May 18, 2011)