

Sovchem[®] DCBS Granule

Manufacturer: Sovereign Chemical Company
 Classification: Sulfenamide Accelerator
 CA Nomenclature: N,N-Dicyclohexyl-2-benzothiazolesulfenamide

Specification Properties	Value	Test Method
Ash Content, %	0.3 maximum	ASTM D4574
Cyclohexen Insolubles, %	0.5 maximum	SCCTM #002
Free Amine, %	0.5 maximum	ASTM D4936
Granule Rigidity, N	1.0 maximum	Supplier
Heat Loss, %	0.4 maximum	ASTM D4571
Melting Point (Initial), °C	98 minimum	ASTM D1519
Purity, %	96 minimum	SCCTM #003
Typical Properties	Value	Test Method
Physical Form	Light yellow to pink granule	Visual

> APPLICATIONS

Uses: Delayed-action slow curing sulfenamide accelerator. DCBS has the best scorch resistance of all sulfonamide accelerators. DCBS provides lower modulus than CBS, TBBS, MBS, MOR, thus will require higher use levels for equivalent physicals. DCBS is more often used in steel skim compounds for improved adhesion. Stocks containing DCBS can be stored for long time without deterioration in scorch safety or vulcanizate properties. DCBS is highly suitable and widely used in retread, large tires, shock absorbers and conveyor belts.

Polymers: Natural rubber, synthetic Polyisoprene, Polybutadiene, SBR and NBR.

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

Cure Effect: Promotes a slow cure rate with good scorch safety. Increasing accelerator/sulfur ratio enhances the cure efficacy.

> 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 packages in a cool dry place.

Specification Date: February 3, 2015 (Supersedes August 17, 2007)