

**SIN RUBTECH® POLYMER BOUND
PREDISPERSED CBS – 70G****Product Description**

Composition:	A proprietary predispersed 70% N-Cyclohexyl-2-benzothiazole sulphenamide in a 30% elastomeric / processing aids binder. specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Light Grey Granules.
Density:	Approx. 1.03 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active CBS)	> 94 °C
Storage Stability:	At least 1 years under normal storage conditions.
Packing:	18 kg nett in sealed PE bag in a carton box.

Recommendations and Applications

Predispersed CBS – 70G is recommended where a more eco-friendly material, higher productivity and better dispersion is required. This often translates to lower bottom-line costing.

The active ingredient CBS is the first delayed action accelerator of the sulphenamide class. The shortest scorch time and cure time are given by CBS in the order CBS < TBBS < MBS < DCBS. Scorch time of CBS and other sulphenamides can be extended by addition of CTP and acidic materials. Scorch time can also be extended by replacing normal Zinc Oxide with Zinc Oxide Active. In nitrosoamine free tyre or retread compounds, CBS & TBBS can replace MBS viz :-

	PHR
MBS	1.2
TBBS	1.15
CTP	0.10
CBS	1.20
CTP	0.15

The combination of 0.10 to 0.30 PHR of TMTM or TMTD with CBS has beneficial effects of rapid cure, improved flow time / cure time ratio, very broad cure plateau and vulcanisates with very good aging resistance and low compression set, but poor in tear and flex resistance.

Basic materials such as hexamine, DPG and DOTG have no activating effect on CBS. CBS can be used as a retarder for MBT and MBTS type cure systems. It is our experience that predispersed sulphenamide in elastomeric binder stores better than sulphenamide in powder form. CBS is slightly discoloring but non-staining. All sulphenamides give a bitter taste and a weak ammonia smell.

Due to price differentials, CBS – 70G with CTP are finding increasing usage over TBBS / MBS.

Dosage

Recommend initially to try CBS – 70G at 1.14:1 substitution of CBS powder. Dosage can be 0.5 to 2.0 PHR

SIN RUBTECH CONSULTANCY SDN BHD (Company No : 103451-P)

Contact Address : 10-12, Jalan Industri Cherok To'Kun 2, Taman Industri Cherok To'Kun, 14000 Bukit Mertajam, Malaysia.

Telephone : (604) 5511804

Fax : (604) 5514804

E-Mail : marketing@sinrubtech.com