



**DATA-SHEET**

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code:	MSHQD-AC004-00 GT	Chemical Name:	N,N'-dicyclohexyl-2-benzothiazole sulphenamide
Trade Name:	Rubber Accelerator DCBS (DZ)	CAS No.:	4979-32-2
Molecular Formula:	C <sub>19</sub> H <sub>26</sub> N <sub>2</sub> S <sub>2</sub>	Molecular Weight:	347
Revision number	02	Date	01/12/2009

**Product Information:**

**\*\*\*Specification**

Appearance (visual inspection):	White granule	Assay Content % :	96.0
Initial M.P. :	96.0	Loss on drying % :	0.40
Ash content % :	0.30	Density at 25 (g/cm <sup>3</sup> )	1.230
Strength of grain(N)	0.8-2.5	Insoluble in cyclohexane% :	0.50

**\*\*\*Typical Properties**

Offwhite granule, bitter, freely soluble in alcohol, ether, acetone, benzene, toluene, Dichloromethane carbon tetrachloride and ethyl acetate, insoluble in water.

**\*\*\*Recommended Applications**

It provides longer scorch time, longer cure time and lower modulus than CBS, TBBS and MBS. Thus will require higher use levels for equivalent physical properties; more often used in steel skim compounds for improved adhesion.

**\*\*\*Handling and Storage recommendations**

In NR compounds, loading DCBS are usually in the range of 0.7-2.0phr with sulfur levels of 2.5 to 1.5 phr. For steel cord reinforced skim compounds sulfur levels of around 4.0 phr are commonly used.  
In SBR loading vary from 1.2 to 3.0phr, with sulfur levels ranging from 2.2 to 1.0 phr.  
Increasing the accelerator/sulfur ratio, enhances the cure efficiency, at the same time improving processing safety, reversion and aging resistance.

**\*\*\*Package**

Bag : 25kg/bag	Pallet(1.1*1.1) : 600kg/P
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