

## DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code:	MSHQD-AC002-00 PT	Chemical Name:	2,2'-dibenzothiazyl disulfide
Trade Name:	Rubber Accelerator MBTS(DM)	CAS No.:	120-78-5
Molecular Formula:	C <sub>14</sub> H <sub>8</sub> N <sub>2</sub> S <sub>4</sub>	Molecular Weight:	332.5
Revision number	02	Date	01/12/2009

### Product Information:

#### \*\*\*Specification

Appearance (visual inspection):	Cray-white powder	Assay content % $\geq$	95
Initial M.P. °C: $\geq$	166	Loss on drying % $\leq$ :	0.50
Ash content % $\leq$ :	0.50	Residues(150um)% $\leq$	0.10
Density at 20°C (g/cm <sup>3</sup> )	1.540	Free MBT % $\leq$ :	1.0

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

Light yellow powder, The relative density is 1.45~1.50. In room temperature, it slightly dissolved in benzene, toluene, carbon tetrachloride, trichlorobenzenes, acetone, ethanol, ethyl ether, and not dissolve in water, ethyl acetate, petrol and lye.

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

It gives moderate processing safety and moderately fast cures with flat plateau. The vulcanizate characteristics are similar to those obtained with MBT. In fact, MBTS can often be used when MBT is too scorchy. Compounds based on MBTS have slightly better aging and reversion resistance than corresponding ones based on sulfenamides. It can be boosted by use of secondary accelerators to achieve a faster cure and higher modulus.

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

Store MBTS in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Usually the shelf time is 24 months while the recommended use of date is in 12 months.

#### \*\*\*Package

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