



DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code:	MSHQD -AC001-00PT	Chemical Name:	2-mercaptobenzothiazole
Trade Name:	Rubber Accelerator MBT (M)	CAS No.:	149-30-4
Molecular Formula:	C ₇ H ₅ NS ₂	Molecular Weight:	167.26
Revision number	02	Date	01/12/2009

Product Information:

*****Specification**

Appearance (visual inspection):	Light yellow powder	Assay content%	95
Initial M.P. :	170.0	Loss on drying % :	0.50
Ash content % :	0.50	Residues(150um)% :	0.10
Compacted bulk density (kg/m ³)	560-600	Bulk density (kg/cm ³):	400-440
Density at 25 (g/cm ³)	1.42-1.52		

*****Typical Properties**

It is yellow powder with little osmyl and taste bitter. The density is 1.42-1.52.it is soluble in ethyl acetate, ethanol, solution of NaOH and Na₂CO₃, insoluble in benzene, water and gasoline.Lower explosion limit is 21g/m³.

*****Recommended Applications**

In NR compounds, MBT based vulcanization systems exhibit less reversion upon overcure than other systems. Vulcanizate obtained with MBT tend to have a relatively low modulus but very good aging properties. To achieve a faster cure and a higher modulus. MBT can be boosted by the use of secondary accelerators, such as ZBEC, ZDEC, TMTD or DPG. For the vulcanization of EPDM or IIR rubbers, MBT is a well established component of many existing vulcanization systems. MBT also finds application in latex form cure systems. It is non-staining and non-discoloring.

*****Handling and Storage recommendations**

Store MBT 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 recommend use of time is within 12 months.

*****Package**

Bag : 25kg/bag	Pallet(1.1*1.1) : 700kg/P
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