



DATA-SHEET

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code	MSHQD-AC007-00GT	Chemical Name	N-Oxydiethylene-2-benzothiazole sulfonamide
Trade Name	Rubber Accelerator NOBS(MBS)	CAS NO.	102-77-2
Molecular Formula	C ₁₁ H ₁₂ N ₂ S ₂ O	Molecular Weight	253.35
Revision number	02	Date	01/12/2009

Product Information:

*****Specification**

Appearance (visual inspection):	Light yellow granule	Assay Content % :	95
Initial M.P. :	80.0	Loss on drying (%) :	0.50
Ash content (%) :	0.30	Insoluble in methanol % :	0.50
Strength of grain(N)	0.8-2.5	Bulk density (kg/m ³):	340-380

*****Typical Properties**

Light yellow granule with little odor of ammonia, no poison. The density is 1.31-1.34. The melting point is more than 78 . It soluble in chloroform, benzene, Acetone. Insoluble in water, gasoline, acid / alkali with lower concentration. It will decompose step by step with temperature over 60 .

*****Recommended Applications**

It can be used as sole accelerator or in combination with low level of secondary accelerators in NR or Synthetic rubber compounds where extended scorch time are required. Typical examples are thick tire treads and extrusion, compounds with high loading of furnace blacks and compounds which are stored, uncured, for long periods, such as camelback. NOBS is also an excellent accelerator for EPDM cure systems where a high degree of processing safety needs to be combined with a fast cure. It should be noted that in the application of NOBS, N-nitrosomorpholine can be formed by the reaction of morpholine, a decomposition product.

*****Handling and Storage recommendations**

Store NOBS in single stacked pallets in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Double stacking of palletized material can result in unusually compacted product or broken granule. Do not store this product near insoluble sulfur as the amine vapors characteristically emitted from this material can cause insoluble sulfur to revert to rubber marker's sulfur. Usually the shelf time is 6 months while the recommend use of date is 3 months.

*****Package**

Bag : 25kg/bag	Pallet(1.1*1.1) : 800kg/P
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