

**TECHNICAL DATA SHEET**

Product Name : Mercure MBS		Spec. Ref. No. : TDS 09		
Chemical Name/ Chemical Composition : 2-(4-Morpholiniothio)benzothiazole		Date of Issue : 01.06.2015		
CAS Reg. No : 102-77-2		Issue No. : 5		
Physical Appearance : Pale yellow / Off white pellets (dia. : 2mm)		Rev. No. : 0		
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting Point Initial	°C	80.0	--	ASTM D 1519A
Melting Point Final	°C	83.0	--	ASTM D 1519A
Loss on drying (60°C / 2 hrs)	%	--	0.50	ASTM D4571
Ash Content (760°C / 2 hrs)	%	--	0.15	ASTM D4574
Methanol Insolubles	%	--	0.50	ASTM D 4934
Assay	%	95.0	--	ASTM D 4936
Free amine as Morpholine	%	--	0.30	ASTM D 4936
Periodic Audit Test ***				
Oil Content	%	1.0	2.0	MERCHEM QWI 139
Specific gravity @ Room Temperature	--	1.3	1.4	ASTM D1817
Bulk Density	Kg/m ³	650	750	MERCHEM QWI 151
Product Information				
Solubility	Soluble in methanol , acetone , benzene, toluene and insoluble in water.			
Classification	Fast – Delayed action accelerator			
Discoloration and staining	Non staining .At higher dosages slight discolouration.			
Regulatory Approval status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600 & under BfR XXI category 4 .			
Toxicity data	Practically non harmful. Oral LD50/rat over 7940 mg/Kg. slightly irritating to skin and eye.			
Handling and Personal protection	Ensure good ventilation and avoid dust generation .In case of skin /Eye contact flush with water for 10 minutes.			
Storage	Store the product in dry and well ventilated area .Keep away from heat and sources of ignition. Avoid exposure to acid ,acidic materials /atmosphere and high humidity.			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	6 months			
Colour code	Yellow			

*Lower Specification Limit. **Upper Specification Limit. *** Defined in Finished Goods Inspection Plan.

Prepared by : PG	Approved by: RBV
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