

**TECHNICAL DATA SHEET**

Product Name : Mercure TBBS			Spec. Ref. No. : TDS 11	
Chemical Name/ Chemical Composition : N-t- Butylbenzothiazole-2- sulfenamide			Date of Issue : 01.06.2015	
CAS Reg. No : 95-31-8			Issue No. : 5	
Physical Appearance : Off white/ grayish white pellets (2.5 mm dia) or powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting Point Initial	°C	105.0	--	ASTM D 1519A
Melting Point Final	°C	107.0	--	ASTM D 1519A
Loss on drying (60 <sup>0</sup> C / 2 hrs)	%	--	0.30	ASTMD4571
Ash Content (760 <sup>0</sup> C / 2 hrs)	%		0.20	ASTMD4574
Methanol Insolubles	%	--	0.50	ASTM D 4934
Assay	%	96.0	--	ASTM D 4936
Free amine	%	--	0.4	ASTM D 4936
Fineness through 100 mesh (for powder product)	%	99.90	--	ASTM D 5461
Periodic Audit Test ***				
Specific gravity @ Room Temperature	--	1.20	1.30	ASTM D1817
Bulk Density	Kg/m <sup>3</sup>	420	480	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 FDA21 CFR 177.2600 & under BfR XXI category 4 .			
Toxicity data	Practically non harmful. Oral LD50/rat 6310 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)	25 Kg			
FIBC	600 Kg / 1000Kg			
Shelf life	6 months			
Colour code	Brown			

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

Prepared by : PG	Approved by: RBV
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