



MERCHEM LIMITED

TECHNICAL DATA SHEET

Product Name : Mercure MBTS			Spec. Ref. No. : TDS 03	
Chemical Name/ Chemical Composition : 2,2`-Dithiobisbenzothiazole			Date of Issue : 01.06.2015	
CAS Reg. No : 120-78-5			Issue No. : 5	
Physical Appearance : Pale Yellow Powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting Point Initial	°C	164.0	--	ASTM D 1519A
Melting Point Final	°C	168.0	--	ASTM D 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760°C / 2 hrs)	%		0.30	ASTMD 4574
Assay	%	93.0	--	ASTM D 5051
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Free MBT content	%	--	2.0	ASTM D 5044
Oil Content	%	1.0	2.0	MERCHEM QWI 115
Periodic Audit test ***				
Specific gravity @ Room Temperature	--	1.45	1.55	ASTM D 1817
Bulk Density	Kg/m ³	450	550	MERCHEM QWI 151
Product Information				
Solubility	Soluble in Chloroform, Carbon tetrachloride and Benzene. Slightly soluble in Acetone. Insoluble in water.			
Classification	Semi ultra fast accelerator.			
Discoloration and staining	Non discoloring and non staining .			
Regulatory Approval status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600 & 175.105 and as specified under BfR XXI categories 1-4.			
Toxicity data	Practically non harmful. Oral LD50/rat 7940 mg/Kg. Slightly irritating to eyes.			
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.			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	24 months			
Colour code	Red			

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

Prepared by : PG	Approved by: RBV
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