

**TECHNICAL DATA SHEET**

Product Name : Mercure TMTM			Spec. Ref. No. : TDS 13	
Chemical Name/ Chemical Composition : Tetramethyl thiuram monosulphide			Date of Issue : 01.06.2015	
CAS Reg. No : 97-74-5			Issue No. : 5	
Physical Appearance : Yellow powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	105.0 107.0	--	ASTMD 1519A
Loss on drying (60°C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760°C / 2 hrs)	%	--	0.50	ASTMD 4574
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Periodic Audit Test***				
Specific gravity @ Room Temperature	--	1.35	1.45	ASTMD 1817
Bulk Density	Kg/m <sup>3</sup>	400	500	MERCHEM QWI 118
Product Information				
Solubility	Soluble in Acetone ,Toluene, Benzene, Carbon disulfide and Chloroform ; insoluble in water .			
Classification	Secondary 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 and as specified under BfR XXI Categories 1-4 and Sonderkategorie.			
Toxicity data	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Harmful if swallowed. Repeat contact may cause skin sensitization. Toxic to aquatic organisms. Oral LD50/rat : 730-1390 mg/Kg.			
Handling and Personal protection	Avoid breathing dust. Avoid contact with skin and eyes. Ensure good ventilation and local exhaustion of the working area. Wear suitable respiratory equipment, gloves with long cuffs, suitable protective clothing, Safety goggles recommended.			
Storage	Dust generated during handling or storage can form explosive mixtures in air. Emits toxic fumes under fire conditions: Carbon oxides (COx), sulphur dioxide (SO2), nitrous gases (NOx).Store closed containers in a cool, dry and well ventilated area.			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Light blue			

\*Lower Specification limit \*\*Upper Specification Limit \*\*\*Defined in Finished Goods Inspection plan

Prepared by : PG	Approved by: RBV
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