

**TECHNICAL DATA SHEET**

Product Name : THIRAM			Spec. Ref. No. : TDS 48	
Chemical Name/ Chemical Composition : Tetramethylthiuram disulphide			Date of Issue : 01.06.2015	
CAS Reg. No : 137-26-8			Issue No. : 5	
Physical Appearance : Light yellow to white powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	144.0 148.0	-- --	ASTMD 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.30	ASTMD 4571
Ash Content (760°C / 2 hrs)	%	--	0.20	ASTMD 4574
Fineness through 100 mesh	%	99.98	--	ASTM D 5461
Assay	%	98.5	--	IS 8979A
Free amine (as DMA)	%	--	0.10	IS 8979A
Periodic Audit Test***				
Chloroform Insolubles	%	--	0.10	ASTMD4934
Specific gravity @ Room Temperature	--	1.35	1.45	ASTMD 1817
Bulk Density	Kg/m ³	400	500	MERCHEM QWI 118
Product Information				
Solubility	Soluble in Acetone and Chloroform; partially soluble in Alcohol and insoluble in water .			
Classification	Thiuram Fungicide.			
Application Area	Used in agriculture to control fungal infections.			
Toxicity data	Harmful by mouth. (Oral LD50rat : 1080 mg/kg). A substance of moderate toxicity , eye & skin irritant and skin sensitizer. Can cause alcohol intolerance by inhalation of dust or absorption through skin.			
Handling and Personal protection	Avoid breathing dust. In case of eye or skin contact wash with clean water for 5 to 10 minutes .Seek medical advice urgently if swallowed.			
Storage	Keep away from heat and sources of ignition. Dust air mixture may ignite violently upon exposure to spark. Always store in ambient temperature and in dry,& well-ventilated area. Avoid exposure to sun light, heat, humidity, acids, alkalis, solvents and acidic fume.			
Package				
Paper Bag (PP Woven ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Orange			

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

Prepared by : PG	Approved by: RBV
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