

**TECHNICAL DATA SHEET**

Product Name : Merdonor DTDM			Spec. Ref. No. : TDS 41	
Chemical Name/ Chemical Composition : 4, 4`Dithiodimorpholine			Date of Issue : 01.06.2015	
CAS Reg. No : 103-34-4			Issue No. : 5	
Physical Appearance : White to cream crystalline powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial	°C	121.0	--	ASTMD 1519A
Final		123.0	--	
Loss on drying (60 ⁰ C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760 ⁰ C / 2 hrs)	%	--	0.50	ASTMD 4574
Assay by HPLC (Area %)	%	99.0	--	MERCHEM QWI 158
Periodic Audit Test***				
Specific gravity @ Room Temperature	--	1.25	1.35	ASTMD 1817
Bulk Density	Kg/m ³	450	550	MERCHEM QWI 118
Product Information				
Solubility	Soluble in most organic solvents, insoluble in water.			
Classification	Sulphur donor.			
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.			
Toxicity data	Irritating to eyes, repeated or prolonged skin contact may cause irritation or sensitization. May cause persistent skin odour. Very toxic to aquatic organisms , may cause long-term adverse effects in the aquatic environment. Emits toxic fumes on thermal decomposition. Oral LD50/rat: 5600mg/Kg.			
Handling and Personal protection	Avoid breathing dust and dust generation. Avoid contact with skin and eyes. Ensure good ventilation and local exhaustion of the working area. Use dust mask, protective gloves, safety goggles, protective clothing.			
Storage	Keep away from heat and sources of ignition. Store closed containers in a cool, dry, well-ventilated area.			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	25 Kg			
FIBC	-			
Shelf life	6 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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