



MERCHEM LIMITED

TECHNICAL DATA SHEET

Product Name	: Merdonor DTDC	Spec. Ref. No. :	TDS 42	
Chemical Name/ Chemical Composition :	Dithiodicapro lactam	Date of Issue :	01.06.2015	
CAS Reg. No	: 23847-08-7	Issue No.	: 5	
Physical Appearance	: Off White to light cream powder	Rev. No.	: 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial	°C	118.0	--	ASTMD 1519A
Final		--	128.0	
Loss on drying (70 ⁰ C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760 ⁰ C / 2 hrs)	%	--	0.50	ASTMD 4574
Assay by HPLC(Area %)	%	98.0		MERCHEM QWI 161
Periodic Audit Test***				
Oil content	%	1.0	2.0	MERCHEM QWI 07
Sulfur content	%	21	23	MERCHEM QWI 178
Specific gravity @ Room Temperature	--	1.25	1.35	ASTMD 1817
Bulk Density	Kg/m ³	400	600	MERCHEM QWI 118
Product Information				
Solubility	Insoluble in water .			
Classification	Sulphur donor.			
Discoloration and staining	Non discoloring and non staining.			
Regulatory Approval Status	Not regulated for use in articles in contact with food under FDA. Regulated for use in articles in contact with food under BfR XXI Categories 1 -4.			
Toxicity data	Irritating to eyes. May cause sensitization by skin contact. Inhalation may cause respiratory irritation. Burning may produce CO, CO ₂ , Nitrogen oxides, sulphur dioxide.			
Handling and Personal protection	Avoid breathing dust and skin contact. Avoid dust formation. Ensure good ventilation. Protect against moisture. Wear respiratory protection if ventilation is inadequate, protective clothing, safety goggles or a full face shield.			
Storage	Keep away from strong acids, and oxidizing agents. Avoid heat, flames, ignition sources. Store closed containers in a cool, dry, well-ventilated area.			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	6 months			
Colour code	Maroon			

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

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