



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	Final	°C	118.0	--	ASTMD 1519A
			--	128.0	
Loss on drying (70°C / 2 hrs)		%	--	0.50	ASTMD 4571
Ash Content (760°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

Prepared by : PG

Approved by : RBV

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