



# MERCHEM LIMITED

## TECHNICAL DATA SHEET

Product Name	: Mertiser DBD 100%	Spec. Ref. No. :	TDS 37	
Chemical Name/ Chemical Composition :	2,2`-Dibenzamidodiphenylsulfide	Date of Issue :	05.02.2015	
CAS Reg. No	: 135-57-9	Issue No.	: 4	
Physical Appearance	: Pale yellow powder	Rev. No.	: 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760°C / 2 hrs)	%	--	0.30	ASTMD 4574
Melting Point	Initial	138.0	---	ASTMD 1519A
	Final	142.0	---	
Assay by HPLC ( by area % )	%	95.0	---	QWI 123
Fineness through 100 mesh	%	99.0	--	ASTM D5461
Periodic Audit Test ***				
Specific gravity @ Room Temperature	--	1.25	1.35	ASTM D1817
Bulk Density	Kg/m <sup>3</sup>	450	550	MERCHEM QWI 151
Product Information				
Solubility	Insoluble in water.			
Classification	Peptizing Agent			
Discoloration and staining	Non staining			
Regulatory Approval status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600 and 177.1210.			
Toxicity data	Skin and Eye Contact may cause irritation. Oral rat LD50: >300 mg/Kg			
Handling and Personal protection	Ensure good ventilation and avoid dust generation .In case of skin /Eye contact flush with water for 10 minutes.			
Storage	Keep away from heat and sources of ignition. Avoid exposure to acid ,acidic materials /atmosphere .			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Dark blue			

\*Lower Specification Limit. \*\*Upper Specification Limit .\*\*\* Defined in Finished Goods Inspection Plan.