

**TECHNICAL DATA SHEET**

Product Name : Mercure ZDBC		Spec. Ref. No. : TDS 16		
Chemical Name/ Chemical Composition : Zinc di-n -butyldithiocarbamate		Date of Issue : 01.06.2015		
CAS Reg. No : 136-23-2		Issue No. : 5		
Physical Appearance : White /off white powder		Rev. No. : 0		
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	105.0 108.0	--	ASTMD 1519A
Loss on drying (70°C / 2 hrs)	%	--	0.30	ASTMD 4571
Zinc content	%	13.5	15.5	MERCHEM QWI 10
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Periodic Audit Test***				
Benzene Insolubles	%	--	2.0	MERCHEM QWI 11
Total solid content	%	99.7	---	MERCHEM QWI 143
Specific gravity @ Room Temperature	--	1.20	1.30	ASTMD 1817
Water extract	%	--	0.10	MERCHEM QWI 142
Bulk Density	kg/m <sup>3</sup>	300	400	MERCHEM QWI 118
Product Information				
Solubility	Soluble in Benzene, Acetone & Carbon disulfide. Partially soluble in Hexane. Insoluble in water .			
Classification	Ultra fast Accelerator.			
Discoloration and staining	Non discoloring, non staining & non blooming.			
Regulatory Approval Status	Regulated for use in articles in contact with food under FDA 21 CFR 175.105, 175.300, 177.1210 ,177.2600 , 178.2010 and under BfR XXI Categories 1-4 and 'Sonderkategorie'.			
Toxicity data	Harmful by mouth Oral LD50/rat >5000mg/Kg. May cause slight eye / skin irritation.			
Handling and Personal protection	Avoid breathing dust. Exposure to high dust concentration may cause irritation to respiratory tract . May cause Alcohol intolerance. In case of eye and skin contact, wash with clean water for 10-15 minutes.			
Storage	Always store in ambient temperature and in dry & well ventilated area. Avoid exposure to sunlight, heat, acids, alkalies, acid fumes & solvents.			
Package				
Paper Bag (PP Woven ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Black			

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

Prepared by : PG

Approved by: RBV

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