

**TECHNICAL DATA SHEET**

Product Name : Mercure ZDC (Wettable Powder)			Spec. Ref. No. : TDS 21	
Chemical Name/ Chemical Composition : Zinc diethyldithiocarbamate with wetting and dispersing aids.			Date of Issue: 01.06.2015	
CAS Reg. No : Not Applicable			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	175.0 176.0	--	ASTMD 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Zinc content	%	17.0	19.0	MERCHEM QWI 10
Assay	%	96.0	--	MERCHEM QWI 04
Ash content (760°C / 2 hrs)	%	--	24.0	ASTM D 4574
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Periodic Audit Test***				
Benzene Insolubles	%	2.0	2.5	MERCHEM QWI 11
Specific gravity @ Room Temperature	--	1.35	1.45	ASTMD 1817
Bulk Density	Kg/m ³	350	450	MERCHEM QWI 118
Product Information				
Solubility	Soluble in Benzene, Carbon disulfide, Chlorinated Hydrocarbon . Insoluble in water .			
Classification	Accelerator.			
Discoloration and staining	Non discoloring and non staining .			
Regulatory Approval Status	Main ingredient is regulated for use in articles in contact with food under FDA 21 CFR 175.105 and 177.2600 BfR XXI Categories 1-4 & 'Sonderkategorie'.			
Toxicity data	Harmful by mouth. Irritating to eyes and skin. Not a skin sensitizer. Can cause Alcohol intolerance. Oral LD50/rat >5000mg/Kg.			
Handling and Personal protection	Avoid dust formation. In case of eye and skin contact, wash out with clean water for 10-15 minutes. Seek medical attention.			
Storage	Store closed containers in a cool, dry & well ventilated area. Avoid exposure to sunlight ,heat, acids, alkalies, acid fumes and solvents			
Package				
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Purple			

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

Prepared by : PG	Approved by: RBV
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