



# MERCHEM LIMITED

## TECHNICAL DATA SHEET

Product Name	: Mercure ZDMC	Spec. Ref. No. : TDS 18		
Chemical Name/ Chemical Composition :	Zinc dimethyldithiocarbamate	Date of Issue 01.06.2015		
CAS Reg. No	: 137-30-4	Issue No. : 5		
Physical Appearance	: White /off white powder	Rev. No. : 0		
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial	°C	244.0	--	ASTMD 1519A
Final		248.0		
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Zinc content	%	20.5	22.5	MERCHEM QWI 10
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Periodic Audit Test***				
Oil content	%	1.0	2.0	MERCHEM QWI 07
Specific gravity @ Room Temperature	--	1.65	1.75	ASTMD 1817
Bulk Density	Kg/m <sup>3</sup>	550	650	MERCHEM QWI 118
Product Information				
Solubility	Soluble acetone & benzene. Insoluble in water .			
Classification	Ultra fast Accelerator.			
Discoloration and staining	Non discoloring, non staining.			
Regulatory Approval Status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600, 178.3120 and under BfR XXI Categories 1-4 and 'Sonderkategorie'.			
Toxicity data	Very toxic by inhalation and harmful by ingestion. May cause skin sensitization and can cause Alcohol intolerance . Oral LD50/rat 267mg/Kg. Acute inhalation LC50 Rat : 0.06 mg/L /4 hr.			
Handling and Personal protection	Avoid dust formation and Ensure good ventilation. Wear safety goggles ,mask and gloves. In case of eye and skin contact, wash with clean water for 10-15 minutes and seek medical attention . If swallowed , immediately get medical attention.			
Storage	Always store in a cool, dry& well ventilated area. Avoid exposure to sunlight heat, acids, alkalies, acid fumes and solvents.			
Package				
Paper Bag (PP Woven ESKP with inner PP liner)	20 Kg			
FIBC	-			
Shelf life	12 months			
Colour code	Red			

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

Prepared by : PG

Approved by: RBV

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