

**TECHNICAL DATA SHEET**

Product Name	: Mercure ZDC (Coated)	Spec. Ref. No. : TDS 22
Chemical Name/ Chemical Composition	: Zinc diethyl dithiocarbamate	Date of Issue : 01.06.2015
CAS Reg. No	: 14324-55-1	Issue No. : 5
Physical Appearance	: White powder	Rev. No. : 0

**Product Specifications**

Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	176.0 178.0	--	ASTMD 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Zinc content	%	18.0	20.0	MERCHEM QWI 10
Assay	%	95.0	--	MERCHEM QWI 04
Ash content (760°C / 2 hrs)	%	--	24.0	ASTM D 4574
Fineness through 100 mesh	%	99.90	--	ASTM D 5461
Benzene Insolubles	%	--	1.5	MERCHEM QWI 11

**Periodic audit test\*\*\***

Oil content	%	1.0	2.0	MERCHEM QWI 07
Specific gravity @ Room Temperature	--	1.40	1.50	ASTMD 1817
Bulk Density	kg/m <sup>3</sup>	350	450	MERCHEM QWI 118

**Product Information**

Solubility	Soluble in Benzene, Carbon disulfide, Chlorinated hydrocarbon. 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 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 and ensure good ventilation. In case of eye and skin contact, wash with clean water for 10-15 minutes and seek medical attention. If swallowed , seek medical advice.
Storage	Always store in ambient temperature and in 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	Purple

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

Prepared by : PG

Approved by: RBV

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