

**TECHNICAL DATA SHEET**

Product Name : Mercure ZDC	Spec. Ref. No. : TDS 15
Chemical Name/ Chemical Composition : Zinc diethyldithiocarbamate	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	178.0 179.0	--	ASTMD 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.20	ASTMD 4571
Zinc content	%	18.0	20.0	MERCHEM QWI 10
Assay	%	97.0	--	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\*\*\***

Specific gravity @ Room Temperature	--	1.40	1.50	ASTMD 1817
Bulk Density	kg/m <sup>3</sup>	450	550	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 and 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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