

**TECHNICAL DATA SHEET**

Product Name : Mercure DPG			Spec. Ref. No. : TDS 25	
Chemical Name/ Chemical Composition : N, N' -Diphenylguanidine			Date of Issue : 01.06.2015	
CAS Reg. No : 102-06-7			Issue No. : 5	
Physical Appearance : White to cream powder			Rev. No. : 0	
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	144.0 146.0	--	ASTMD 1519A
Loss on drying (105°C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760°C / 2 hrs)	%	--	0.50	ASTMD 4574
Assay	%	97.0	--	MERCHEM QWI 93
Periodic Audit Test***				
Specific gravity @ Room Temperature	--	1.20	1.30	ASTMD 1817
Bulk Density	Kg/m <sup>3</sup>	250	350	MERCHEM QWI 118
Product Information				
Solubility	Soluble in most organic solvents, insoluble in water.			
Classification	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 177.2600 and under BfR XXI Categories 3-4.			
Toxicity data	Harmful if swallowed. Irritating to eyes, respiratory system and skin. Possible risk of impaired fertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Oral LD50/rat : 323 mg/Kg. Hazardous decomposition products:- Aniline, carbon monoxide (CO), nitrous Oxides (NOx), tetraphenylmelamine, triphenylmelamine, triphenylcarbimide.			
Handling and Personal protection	Avoid breathing dust and dust generation. Ensure good ventilation. Avoid contact with skin and eyes. Wear suitable respiratory Equipment, protective gloves , safety goggles, suitable protective clothing.			
Storage	Keep away from heat and sources of ignition. Always store in ambient temperature and in dry & well ventilated area.			
Package				
Paper Bag (PP Woven sack 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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