

**TECHNICAL DATA SHEET**

Product Name : MernoX 6C		Spec. Ref. No. : TDS 32		
Chemical Name/ Chemical Composition : N-(1,3-dimethylbutyl) -N ' phenyl -p-phenylenediamine		Date of Issue : 01.06.2015		
CAS Reg. No : 793-24-8		Issue No. : 5		
Physical Appearance : Greyish purple Pastilles		Rev. No. : 0		
Product Specifications				
Characteristics	Unit	Limits		Test Method
		LSL*	USL**	
Melting point Initial Final	°C	46.0 49.0	--	ASTMD 1519A
Loss on drying (60°C / 2 hrs)	%	--	0.50	ASTMD 4571
Ash Content (760°C / 2 hrs)	%	--	0.50	ASTMD 4574
Assay by HPLC	%	97.0	--	MERCHEM QWI 155
Periodic Audit Test***				
Specific gravity @ Room Temperature	--	1.07	1.09	ASTMD 1817
Bulk Density	Kg/m ³	550	650	MERCHEM QWI 151
Product Information				
Solubility	Soluble in ethyl acetate, acetone and dichloromethane; insoluble in water.			
Classification	Antioxidant / Antiozonant			
Regulatory Approval Status	Not regulated for use in articles in contact with food under FDA. Regulated for use in articles in contact with food as specified under BfR XXI categories 3-4.			
Discoloration and staining	Discolors white or colored products. Contact and migration staining is experienced on other surfaces in contact with rubber products containing 6C.			
Toxicity data	Slightly Harmful by mouth. (Oral LD50 Rat: 3580 mg/kg). Slightly toxic by ingestion, mildly irritating to the skin and eyes. Inhalation may cause mild irritation of the upper respiratory tract.			
Handling and Personal protection	Avoid dust generation. Ensure good ventilation. In case of eye or skin contacts wash with clean water for 10-15 minutes. Eliminate all ignition sources in the material handling area. Use appropriate protective equipment.			
Storage	Always store in a cool (below 30°C), dry & well ventilated place to avoid compaction. Avoid double stacking of pallets. Avoid exposure to sun light, heat, humidity, acids, alkalis, solvents and acidic fumes.			
Package				
Paper Bag (PP Woven ESKP with inner PP liner)	25 Kg			
FIBC	500 Kg			
Shelf life	12 months			
Colour code	Green			

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

Prepared by : PG	Approved by: RBV
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