



Technical Data Sheet (TDS)
Flake Phthalic Anhydride (FPA)

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1	Product Specification	Specification	Method
	Molten Color (APHA)	20 max	JIS K4128
	Heating Hazen (@ 250 °C, 90 min, APHA)	40 max	JIS K4128
	Solidification Point (°C)	130.9 min	JIS K4128
	Purity (%wt)	99.85 min	GC
	Maleic Anhydride (%wt)	0.05 max	GC
	Total Acid (mgKOH/0.148 g)	111.6 min	JIS K4128
	Phthalic Acid (%wt)	0.50 max	JIS K4128
	Strange Material	None	Visual Inspection
2	Packing	size 25, 600 kg.	
3	Physical and Chemical Properties		
	Chemical Name	Phthalic Anhydride	
	Chemical Formula	$C_8H_4O_3$	
	Molecular Weight	148.12 g/mol	
	Form	Flake	
	Color	White	
	Odor	Weakly Aromatic	
	Melting Point	129-132 °C	
	Boiling Point	285 °C	
	Flash Point	152 °C	
	Bulk Density	500-700 kg/m ³	



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4	Industrial Application	Phthalic Anhydride is used as an intermediate in the manufacture of plasticizers, phthalates, phthaleins, benzoic acid, paints, polyester resins, dyes, pharmaceuticals.
5	Handling and Storage	Phthalic Anhydride should be stored in dry weather, not contact to heat and sunlight and the containers must be kept closed. Shelf Life is 1 year from production date.
6	Precaution	Avoid breathing dust/fume/vapours Wear protective gloves/protective clothing/eye protection/face protection Store in a well-ventilated place and keep container tightly closed Avoid contact to skin and eye