

## **TECHNICAL DATA SHEET**

### **2-MERCAPTOBENZOTHAZOLE**

Product Name : 2-MBT	Spec.Ref. No : TDS-012		
Chemical Name / Chemical Composition : 2-MERCAPTOBENZOTHAZOLE	Date of Issue : 19.06.2015		
CAS No. : 149-30-4	Issue No : 01		
Physical Appearance : Pale Yellow Powder	Rev : 00		
<b>PRODUCT SPECIFICATION</b>			
Characteristics	Unit	Limits	
		Lower Specific Limit	Upper Specific Limit
Melting Point Initial Final	°C	174.0 180.0	-- --
Loss on drying (1050C / 2 hrs)	%	--	0.50
Ash Content (7600C / 2 hrs)	%	--	0.10
Solubility (10% MBT in 10% aqueous NaOH)	%	Completely soluble	
Assay ( Titration)	%	97.5	--
Assay ( HPLC area%)	%	98.0	--
<b>PERIODIC AUDIT TEST</b>			
Specific Gravity @ Room Temperature	--	1.45	1.55
Bulk Density	Kg/m <sup>3</sup>	450	550
<b>PRODUCT INFORMATION</b>			
Solubility	Soluble in Aqueous NaOH, Methanol, chloroform, acetone and insoluble in water.		
Classification	Pharma intermediate		
Toxicity data	Practically non harmful. Oral LD50/rat: 3800 mg/Kg. Mildly irritating to skin and eye.		
Handling and Personal Protection	Ensure good ventilation and avoid dust generation. In case of skin /Eye contact flush with water for 10 minutes.		
Storage	Keep away from heat and sources of ignition. Avoid exposure to acid, acidic materials /atmosphere and high humidity.		
<b>PACKAGE</b>			
Paper Bag (PP Woven sack ESKP with inner PP liner)	20 Kg		
Shelf Life	12 Months		