

## PRODUCT DATA SHEET

### **Accicure MBT** : Semi ultra Thiazole Accelerator

Composition : 2- Mercaptobenzthiazole

#### **Physical Properties**

Appearance : Pale yellow powder / pellets  
Sp Gr. at 25°C : 1.49 (Typical)

#### **Typical Analysis**

Parameter		Limits	Test method
Melting Point	(°C)	174 min	ASTM D 1519
Loss at 100°C for 2 hours	(%)	0.5 max	D 4571
Ash Content	(%)	0.5 max	D 4574
Strength	(%)	96 min	D 1991

#### **Solubility**

Insoluble in water. Slightly soluble in petroleum ether. Soluble in alcohol and chloroform.

#### **Notes on Uses**

Accicure MBT is a fast curing accelerator suitable for most of the common rubbers. It is very flat curing and confers on the vulcanisates low modulus and excellent ageing properties; It is however too scorchy to use with appreciable loading of furnace blacks. In combination with guanidine accelerators, Accicure MBT gives fast curing high-modulus rubbers; such mixtures are often too scorchy for natural rubber compounds, but are recommended for SBR. Boosted with thiuram or a dithiocarbamate, Accicure MBT is popular for quick curing moulded articles. Accicure MBT causes only slight discolouration on exposure to light and also has useful peptising properties. The presence of stearic acid and zinc oxide is necessary for good cures. Typical dosage varies from 1.0 – 1.5 phr.

#### **Storage and Handling**

Stable indefinitely under normal storage conditions.

No special handling precautions are necessary. Normal precautions to avoid contact with skin and eyes should be followed. For eyes, flush with plenty of water and seek medical advice.

#### **Packaging**

25 Kg. in HDPE lined Paper Bags.

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Authorised by : M .K .Chatterjee  
Customer Services Manager