

## PRODUCT DATA SHEET

### **Accinox MBI** :Secondary antioxidant

Composition : 2 - mercapto benzimidazole

#### **Physical Properties**

Appearance : White powder  
Sp Gr at 25°C : 1.42 (Typical)

#### **Typical Analysis**

Parameter		Limits		Test method
				ASTM
Melting Point	(°C)	290	min	D 1519
Loss at 105°C for 2 hours	%	0.5	max	D 4571
Ash Content	%	0.2	max	D 4574
Methanol Insoluble	%	0.2	max	D 4934

#### **Solubility**

Insoluble in water. Soluble in methanol

#### **Notes on Uses**

Accinox MBI as such is seldom used in the rubber industry as it inhibits little ageing properties in rubber compounds.

Accinox MBI is used primarily as synergistic additive for other antioxidants of both amine and phenolic types especially in improving heat ageing resistance and countering metallic contaminations. Typical dosage varies from 0.5 – 1.0 phr depending upon the improvements required in ageing. It however does little help in improving flex – crack resistance properties. MBI is entirely non-staining and non-discolouring.

#### **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**

20 Kg. in fibre board drums / H.D.P lined bags.

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