



## **Pentonox – MBI**

## **Antioxidant**

**Composition** : 2 - Mercaptobenzimidazole

**Specification** : Color : Off White to White  
Appearance : Powder  
Melting Point : 295 – 300 °C  
Ash content : 0.5 % Max  
Heat Loss : 0.5 % Max

**Dosage** :  
• 0.5 – 1.5 phr

**Uses and Benefits** :

- Pentonox – MBI is an usually non-staining antioxidant for light-colored and white rubber compounds and also used as a synergist for other antioxidants.
- The effect of the combination of Pentonox – MBI with other antioxidants is greater than the sum of the effects of the individual components.
- Pentonox – MBI provides the vulcanizates with some protection against copper and manganese poisoning (rubber poisons).
- Pentonox – MBI used on its own, depends to a large extent on the curing system.
- Pentonox – MBI gives better results in combination with dithiocarbamate and thiuram accelerators than in combination with other accelerators.
- Pentonox – MBI mainly used in Rubber articles which have to withstand oxygen, heat and steam, heatresistant rubber articles which are produced by thiuram vulcanization, white, colored, and transparent articles of all kinds, fabric proofings.

**Packing** : 25kg Polylinedpolywoven bag / Polylined paper bag.

**Storage stability** : Up to 1 year in normal storage conditions.

**Handling** : Consult material safety data sheet (MSDS) for additional handling information for Pentonox – MBI.

### **PUKHRAJ ADDITIVES LLP**

*An ISO 9001:2008 Certified Company*

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