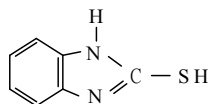


## Rubber Antioxidant MB

**Chemical Name** 2-Mercaptobenzimidazole

**Molecular Structure**



**Molecular Formula** C<sub>7</sub>H<sub>6</sub>N<sub>2</sub>S

**Molecular Weight** 150.2

**CAS#** 583-39-1

**Specifications** Q/KES221-2007

Item	Specifications
	High grade
Appearance	Light yellow or white powder crystals
Initial Melting Point (°C)Min.	295.0
Heat Loss (%)Max.	0.50
Ash (%)Max.	0.50
Residue on 150 μ m Sieve (%)Max.	0.10

**Properties** Relative density is  $1.42 \pm 0.02 \text{g/cm}^3$ , soluble in alcohol, acetone and ethyl acetate, difficultly soluble in gasoline petrol and dichloromethane, insoluble in carbon tetrachloride, benzene and water, non-toxic.

**Applications** Antioxidant MB can effectively protect the pollution of copper and deal with the bad effect of over-vulcanization. It has an acation of delay to the accelerator M, DM, TMTD, etc. There are better actions when it is used with antioxidant. Change less in color, it can be used in wire, cable and transparent or color rubber products and it also can be used as heat stabilizer of polyethylene and polypropylene.

**Storage** Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight.

**Packing** 25kg paper bags lined with polyethylene film bags.