



255 Fountain Street Akron, Ohio 44304-1991
 330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

**RUBBER CHEMICALS
 -ACCELERATORS-
 THIAZOLES**

ACCELERATOR MBTS, MBTS-MG

(Benzothiazyl Disulfide)

(2,2' Dibenzothiazyl Disulfide or 2,2'-Dithiobisbenzo Thiazole)

PRODUCT DESCRIPTION:

The most widely used organic accelerator. It is non-staining and very active at temperatures above 280°F. It requires zinc oxide, fatty acid and sulfur. It is activated by aldehyde amines, dithiocarbamates, alkaline and basic materials; in general, guanidines and thiurams. MBTS is also used as a retarder in polychloroprene cure systems as well as a potent retarder of peroxide cures. To retard a peroxide-cured EPDM, add 0.25-0.50 phr MBTS and 1.0-2.0 phr TAC coagent to slow scorch but maintain state-of-cure.

MBTS is a reasonably safe processing accelerator, but increased scorch resistance can be obtained by using Retarder PX, Retarder AK, or Retarder SAFE. MBTS-MG is a very fine granular (MG = microgranule) product for less dusting.

TYPICAL PROPERTIES:

Appearance.....	cream to lt. yellow powder or pellets
Melt Point.....	174°C (345°F)
Moisture / Heat Loss, %.....	< 1.0
Ash, %.....	< 0.7
Specific Gravity	1.50
Dispersability	disperses easily, masterbatch may be desirable.

CHEMICAL DISPERSIONS:

Accelerator MBTS is also available as Akroperse® MBTS-75/EPR/S and NBR/S. These polymeric masterbatches contain 75% Accelerator MBTS and are very soft for ease of incorporation.

Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality & raw material control.

Akrochem polymer bound or encapsulated dispersions eliminate any irritating dust, as well as other potential hazards in handling powders in the plant. The physical form is easy to handle and weigh accurately. As a dispersion, better uniformity of the mix at low process temperatures are possible.

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