



3770 Embassy Parkway Akron, Ohio 44333

330-535-2100 ♦ 800-321-2260 ♦ Fax-330-535-8947

RUBBER CHEMICALS  
-ACCELERATORS-  
THIAZOLES

**ACCELERATOR MBTS POWDER AND PELLETS**

**(Benzothiazyl Disulfide)**

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

**PRODUCT DESCRIPTION:**

MBTS (Benzothiazyl Disulfide) is a non-staining, primary thiazole accelerator for use in natural and synthetic rubbers. It is very active at temperatures above 280°F. Activation requires the addition of zinc oxide, a fatty acid and sulfur for cure development. Secondary accelerators used in conjunction with MBTS such as aldehyde amines, dithiocarbamates, guanidines, and thiurams will increase cure rates. MBTS is also used as a retarder in polychloroprene cure systems, as well as a retarder for peroxide cures. Blends of MBTS and BBTs are often employed in tire vulcanization cure systems.

MBTS is a safe processing accelerator, but increased scorch resistance can be obtained with the addition of Retarder PX, Retarder AK, or Retarder SAFE.

**TYPICAL PROPERTIES:**

Appearance .....	Cream to lt. yellow powder or pellets
Melt Point .....	172 °C (341°F)
Moisture / Heat Loss, % .....	< 0.5
Ash, % .....	< 0.3
Specific Gravity .....	1.54
Dispersability .....	Good (powder & pellets)

**CHEMICAL DISPERSIONS:**

Accelerator MBTS is also available in a polymer bound dispersion. Several polymer carriers are available. These polymeric masterbatches contain 70-80% Accelerator MBTS and are very soft for ease of incorporation.

Akrochem polymer bound dispersions eliminate irritating dust, as well as other potential hazards in handling powders in the plant. The physical form is easy to handle and weigh accurately. Dispersions offer better uniformity at lower process temperatures.

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