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**RUBBER CHEMICALS  
-ACCELERATORS-  
THIAZOLES**

**ACCELERATOR ZMBT**  
**(Zinc salt of 2-mercaptobenzothiazole)**

**PRODUCT DESCRIPTION:**

Accelerator ZMBT is a versatile semi-ultra accelerator. It is activated by all basic accelerators, thiurams and dithiocarbamates. ZMBT can also be used to activate basic accelerators and when added in small amounts will extend the processing safety of thiuram and dithiocarbamate cures without discoloration. Delayed action in cure can also be obtained when using Retarder BA with ZMBT or when MBTS is the secondary accelerator.

The use of 2-4 phr of ZMBT with 0.5 - 0.05 phr thiuram and low sulfur exhibits outstanding resistance to heat. Normal use in mechanical goods would be 0.8 - 1.2 phr. ZMBT, 0.01 - 0.5 phr of a secondary accelerator with normal sulfur.

**TYPICAL PROPERTIES:**

Specific Gravity .....	1.70
Melt Point °C (°F).....	200°C (392°F) min
Decomposition Temperature .....	315°C (599°F)
Appearance .....	yellowish powder
Zinc Content % .....	15.0-18.0
Free MBT % .....	15.0 max
Loss on Drying % .....	0.30 max

**CHEMICAL DISPERSIONS:**

Accelerator ZMBT is also available as Akroform<sup>®</sup> ZMBT-75/EPR/P. This polymeric EPR masterbatch contains 75% Accelerator ZMBT and has a specific gravity of 1.39.

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 is possible.

GPB 9-6-18 X-ZMBT (ST#-3450)

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