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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 of the mercapto class. 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. ZMBT-OT is the reduced dusting version containing a 2% oil treatment.

TYPICAL PROPERTIES

Specific Gravity	1.70
Decomposition Temperature.....	315°C (599°F)
Binder.....	EPR
Appearance.....	yellowish powder
Dispersion	excellent
Storage Stability.....	good
Odor / Taste.....	practically none / bitter

CHEMICAL DISPERSIONS:

Accelerator ZMBT is also available as Akrospers[®] ZMBT-75/EPR/S-LB. This polymeric masterbatch contains 75% Accelerator ZMBT and has a specific gravity of 1.37.

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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