AKROCHEM CORPORATION
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ACCELERATOR TMTD

(Tetramethylthiuram Disulfide)

PRODUCT DESCRIPTION:

A very active, sulfur-bearing, non-discoloring organic accelerator. TMTD requires the addition of zinc oxide and fatty acid for effective use. Sulfur is not required but is often used. Widely used as a primary accelerator for curing systems requiring very low or no sulfur, and for butyl and EPDM compounds. TMTD is often used to activate thiazole or sulfenamide cure systems. Accelerator TMTD is also available in a pellet form to reduce dusting. TMTD contains 13% available sulfur. Improved scorch resistance can be obtained in TMTD stocks by the use of the thiazole or sulfenamide accelerators as secondary accelerators. TMTD is a white to light gray powder (pellet).

TYPICAL PROPERTIES

	POWDER	PELLETS
Melt Point (°C)	148	148
Heat Loss (%)	1.0	1.0
Ash (%)	0.5	0.5
Specific Gravity	1.43	1.43
Fineness (100 mesh)	99.8	----
(200 mesh)	98.0	----
Dispersibility	Excellent	Good

CHEMICAL DISPERSIONS:

Accelerator TMTD is also available in master batch form as 75 and 80% dispersions. These polymeric masterbatches have specific gravities of 1.20 and 1.11 respectively.

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.