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RUBBER CHEMICALS
-ACCELERATORS-
SULFENAMIDES

Akrochem® OTOS POWDER

(N-Oxydiethylenethiocarbamyl-N'-oxydiethylenesulfenamide)

PRODUCT DESCRIPTION:

Akrochem® OTOS is a non-staining, primary accelerator for natural and synthetic rubbers such as EPDM, SBR, Nitrile and Butyl. Akrochem OTOS is more efficient than other sulfenamide accelerators. As a result, a 25% reduction in the sulfenamide portion of an accelerator system is possible when Akrochem OTOS is used. This substitution will result in no loss of cure rate while maintaining good physical properties.

TYPICAL PROPERTIES:

Appearance	off-white to yellow powder
Ash	0.50% max.
Heat Loss	0.30% max.
Melting Point	132°C min.
Specific Gravity	1.35
Packaging	100-pound drum

APPLICATION:

Akrochem OTOS can be utilized to produce excellent economical, semi-EV cure systems. The preferred dosage ratio is 2 parts Akrochem OTOS to 1 part of another sulfenamide like BBTS or CBTS. Sulfur loading should be kept low, 0.4 to 0.6 PHR. Thiazoles may be used in place of the sulfenamides to speed up the cure rate and reduce reversion in natural rubber. Heat aging and compression set properties are outstanding. Processing properties are excellent, providing fast cure rates with good scorch safety. Akrochem Accelerator OTOS is also available as a polymer bound dispersion (Akrochex® OTOS-70/EPR/C-LB). Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality and raw material control.