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**RUBBER CHEMICALS**  
**-ACCELERATORS-**  
**SULFENAMIDES**

**CURE-RITE® 18 / CURE-RITE® 18/80**  
**(Thiocarbamyl Sulfenamide)**

**PRODUCT DESCRIPTION:**

Cure-Rite 18 is a non-staining primary accelerator for EPDM, SBR, Nitrile, Natural and Butyl Rubbers. Cure-Rite 18 is more efficient than other sulfenamide type accelerators. A reduction of 25% of the sulfenamide portion of an accelerator system is possible when Cure-Rite 18 is used. This substitution will result in no loss of cure rate while maintaining good physical properties.

Excellent economical semi EV systems have been produced using Cure-Rite 18. It is preferred to use a ratio of 2 Cure-Rite 18 to 1 of another sulfenamide like BBTS or CBTS while keeping the sulfur low, in the area of 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, compression set properties are outstanding; processing properties are excellent (fast cures with good scorch). Reversion resistance in natural rubber is especially improved.

**TYPICAL PROPERTIES:**

Appearance.....	white powder or pellets
Ash .....	0.50% maximum
Heat Loss.....	0.20% maximum
Melting Point.....	133°C minimum
Specific Gravity .....	1.35 +/- .05
Molecular Weight .....	248
Solubility.....	soluble in benzene, chloroform, carbon tetrachloride, ether and alcohol.

**CHEMICAL DISPERSIONS:**

Accelerator Cure-Rite 18 is also available as Akroform® OTOS-70/EPR/C or Cure-Rite 18/80 Dustless Powder. The former is a polymeric masterbatch containing 70% Cure-Rite 18 and has a specific gravity of 1.16. The latter is 80% active Cure-Rite 18 in a dustless powder form with a specific gravity of 1.30.

Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality and raw material control.

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