

TECHNICAL DATA SHEET

Emerald Performance Materials offers a range of delayed-action sulfenamide accelerators under the Cure-Rite® brand name. Sulfenamides affect both vulcanization parameters (scorch delay, cure rate, etc), as well as physical properties of the vulcanizate (modulus, elasticity, cross-link density, etc). Cure-Rite® sulfenamides are offered in several forms, including pellets powder, and flake. Pellets confer low dust, high actives, low friability and good dispersion properties. Cure-Rite® sulfenamides are most effective if stored in cool (<30° C), dry conditions (<60% RH) and if used within 6 months of date of manufacture.

Specific properties for Cure-Rite® 18 are listed below.

PRODUCT DESCRIPTION

- Vulcanization Accelerator
- Solid, off-white
- Powder or Pellet

FEATURES

- Sulfur Donor
- Delayed Action
- Fast Cure

BENEFITS

- Excellent compound processing safety with faster cure rates
- Desirable properties, reversion resistance, low heat buildup and low compression set
- Technical and economic synergy with Benzothiazole Sulfenamides

APPLICATIONS

- Natural rubber compounds such as off-the-road-tires or engine mounts
- SBR/NR/BR tread compounds
- Vibration dampening rubber

TYPICAL PROPERTIES

Moisture (%)	0.19 Max
Ash (%)	0.5 Max
Melt Point, Range (°C)	137-141

STORAGE/HANDLING

Optimal product performance is attained, if CURE-RITE® 18 is used within 6 months from manufacturing date. CURE-RITE® 18 should be stored in a location that is cool and dry. Read the CURE-RITE® 18 Material Safety Data Sheet before handling, storing, or using.

PACKAGING/DELIVERY

Available in paper and bulk bags

To obtain samples, discuss your application, or gather more details on Cure-Rite® 18, or any other Cure-Rite® product, please log onto our website at www.emeraldmaterials.com, or contact us directly at 888.889.9150.

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Emerald Performance Materials offers a range of delayed-action sulfenamide accelerators under the Cure-Rite[®] brand name. Sulfenamides affect both vulcanization parameters (scorch delay, cure rate, etc), as well as physical properties of the vulcanizate (modulus, elasticity, cross-link density, etc). Cure-Rite[®] sulfenamides are offered in several forms, including pellets powder, and flake. Pellets confer low dust, high actives, low friability and good dispersion properties. Cure-Rite[®] sulfenamides are most effective if stored in cool (<30° C), dry conditions (<60% RH) and if used within 6 months of date of manufacture.

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To obtain samples, discuss your application, or gather more details on Cure-Rite[®] 18, or any other Cure-Rite[®] product, please log onto our website at www.emeraldmaterials.com, or contact us directly at 888.889.9150.

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