



Cure-Rite® Accelerators

A Trusted Name from a Reliable North American Supplier

Our Good Name Precedes Us.

Emerald has been a **dedicated supplier to the rubber industry for nearly 80 years**, dating back to our predecessor organization, BFGoodrich.

Rubber and tire manufacturers trust the legacy Cure-Rite name for providing **superior quality and value** in key applications such as tires.

Emerald is a **reliable global supplier** producing antioxidants, intermediates, and vulcanization accelerators in Henry, IL. Our operations are backward integrated, and our location allows us to provide a **level of service to North America unmatched by other suppliers.**

With Roots in Technologies Originally Developed by BFGoodrich, Emerald Brings a Legacy of Value to Our Customers with Leading Brands, Innovation, Service, and Operational Excellence.

The world's largest tire and rubber manufacturers rely on Cure-Rite Accelerators to **improve productivity and extend product life and quality.**

Accelerators are a critical part of the vulcanization package. In addition to **accelerating the rate of vulcanization**, Cure-Rite Accelerators enable manufacturers to control the rate of vulcanization to **ensure the development of desirable properties** before curing, such as strength, modulus, elasticity, and oxidative stability.

- Produced by a key North American supplier to meet the highest quality standards, such as ISO 9001:2008
- Improved productivity with excellent characteristics, such as low heat build-up, improved compression set, and reversion resistance
- Offerings include accelerators with low nitrosamines, sulfur donor types, and products tailored for easy dispersion post-mixing and scorch safety
- Synergies across offerings to control crosslink lengths and vulcanize properties

Orders and Inquiries:

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Product	Form	Description	Applications
Cure-Rite® BBTS <i>N-tert-Butylbenzothiazole-2-sulfenamide (BBTS)</i>	Mini Pellets or Powder	General purpose, zero-nitrosamine, delayed action, fast acting sulfenamide accelerator for superior scorch protection versus CBS; added after mixing, easily disperses in all rubbers	<ul style="list-style-type: none"> • Rubber - broad variety of diene-containing elastomers, including NR, SBR, BR, and blends (tires, retreads, footwear, molded goods, belts, hoses, conveyor belts)
Cure-Rite® OBTS <i>2-(Morpholiniothio)-benzothiazole (MBS)</i>	Flakes or Pellets	Delayed-acting, primary sulfenamide accelerator for longer scorch delay and faster curing versus CBS; safe for a wide range of processing and curing temperatures	<ul style="list-style-type: none"> • Rubber - NR, NR-BR blends, and NR-SBR blends, particularly with fine-grade carbon blacks, in thick cross-section tread, and in injection or transfer molding
Cure-Rite® MBDS <i>2-(4-Morpholinylidithio)-Benzothiazole (MBDS)</i>	Powder	Sulfur donating, fast curing accelerator that develops short crosslinks (high modulus) in low- or zero-sulfur recipes or, when used with sulfur, offers the longest delayed action	<ul style="list-style-type: none"> • Rubber, especially tires and mechanical rubber goods requiring maximum wear and strength
Cure-Rite® 18 <i>N-Oxydiethylenethiocarbamyl-N'-oxydiethylenesulfenamide (OTOS)</i>	Powder or Pellets	Efficient, sulfur donating, di-thiocarbamyl-based accelerator that produces short crosslinks for low heat build-up, improved compression set, reversion resistance, and oxidative stability	<ul style="list-style-type: none"> • Rubber - NR compounds such as off-road tires or engine mounts, SBR/BR tread compounds

Emerald Kalama Chemical is a key North American supplier for antioxidants and accelerators used in rubber, tires, and other applications, as well as leading global supplier of benzoic acid, benzaldehyde, and related downstream specialties, with facilities in Henry, IL; Kalama, WA; Widnes, UK; and Rotterdam, Netherlands. Our other product offerings include plasticizers, coalescents, intermediates, benzoate preservatives, and high purity flavor and fragrance ingredients. With manufacturing in the United States and Europe and a global sales and distribution network, we serve customers globally.

Global Customer Service

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 **Emerald Performance Materials®**
Kalama Chemical