



Our Products and Reputation Precede Us

Emerald Performance Materials may be a new name, but our products have a 70-year relationship with the rubber industry. 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.

We offer:

- ▶ Cure-Rite® accelerators and Good-Rite® antioxidants, stabilizers and intermediates.
- ▶ North American ISO-certified manufacturing facilities.
- ▶ Global service with regional distribution partners.
- ▶ Dependable products, quality and service.

Emerald Polymer Additives Product Lines

Emerald supplies products to the Rubber industry through our Polymer Additives Division:

- ▶ Antioxidants
- ▶ Accelerators
- ▶ Intermediates
- ▶ Stabilizers

Antioxidants – It seems like the current trend in food is food containing antioxidants – to protect our cells from attack and break-down from free-radicals. Antioxidants are not new news for industrial products such as rubber, plastics and lubricants. They have been used for many decades to impart age-resisting properties to finished products, to make them longer lasting as they are subjected to numerous stresses, heat and light in dynamic end-use conditions.

Accelerators – A key part of the vulcanization package for rubber compounds, accelerators function to speed up and control the rate of vulcanization. This is important for the overall productivity of manufacturing, as well as to assure the development of the desired physical properties of the rubber. A variety of types of accelerators are available: longer or delayed “scorch time”, fast or “ultra-accelerators”, sulfur donor types, and those generating no or low nitrosamine levels.

Intermediates – Emerald’s expertise in sulfur chemistry also extends to sulfur intermediates, a valued component in the production of sulfenamide accelerators. These intermediates are also used as components in applications such as chelation of metal ores, corrosion inhibitors, depilatory of leather hides, and as a sulfur source for shorter kraft pulping times.

Stabilizers – Added to the raw rubber or latex to reduce oxidative degradation during processing and storage, stabilizers preserve the performance of the rubber prior to fabrication to a finished article. Additional antioxidants also must be added during the fabrication of the finished product to inhibit oxidation during use over its projected lifetime.

Emerald Corporation

Emerald Polymer Additives is a division of Emerald Performance Materials. EPM produces a broad portfolio of additives and polymers that make your products last longer, look, smell, taste or work better. For more information, visit www.emeraldmaterials.com.



Emerald Performance Materials
Polymer Additives

	Product	Description	Tires	Industrial Rubber	Latex	Paper	Leather	Corrosion Inhibitor	Mining
Antioxidants	Goodrite® Resin D	TMQ -Polymeric 1,2 dihydro-2,2,4- trimethyl quinoline							
	Stalite® S	ODPA - Octylated Diphenyl Amine							
Stabilizers	Stalite®	Octylated Arylated Diphenyl Amine							
	Superlite®	Polybutylated Bis Phenol A							
Intermediates	Goodrite® Sodium MBT	Sodium Mercaptobenzothiazole							
	Goodrite® NASH	Sodium Hydrosulfide							
Accelerators - Low/No Nitrosamine Types	Cure-rite® BBTS	TBBS - N-t-butyl-2-benzothiazyl Sulfenamide							
	Cure-rite® TBzD	Tetranenzylthiuram Disulfide							
Accelerators	Cure-rite® OBTS	MBS- N-oxydiethylene-2-benzothiazyl Sulfenamide							
	Cure-rite® 18	OTOS- N-oxydiethylene thiocarbonyl-N-oxydiethylene Sulfenamide							
	Cure-rite® MBDS	4-Morpholinyl-2-benzothiazyl Disulfide							

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