

## Dispersa-Cup™ Organic Peroxides

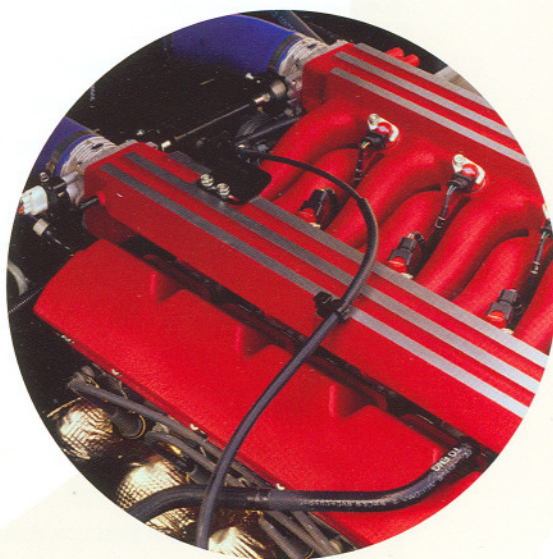
A revolutionary technology platform for  
improved processing  
with crosslinking peroxides

Dispersa-Cup™ represents an innovative peroxide dispersion technology platform for cross-linking peroxides. Dispersa-Cup offers a safer, stable, easy to handle form, combined with the advantage of using a low-melting, high activity peroxide.

Dispersa-Cup's proprietary encapsulation technology\* allows a high activity peroxide to remain dry, free-flowing and dust free with no heat history to cause degradation and reduced performance. It is resistant to agglomeration during storage, even above the melt point of the peroxide.

Dispersa-Cup offers a delivery system which increases the flexibility of elastomer compounding and processing operations with difficult to mix compounds. The product eliminates potential quality variations caused when using peroxides supported by inorganic fillers and other binders used only to facilitate dispersion.

Dispersa-Cup technology can be applied to our leading crosslinking peroxides – Vul-Cup® and Di-Cup®. And soon, you'll be able to take advantage of this proprietary technology platform, to customize your blend of antioxidants, coagents and other polymer additives.



*Dispersa-Cup™ was developed as an answer to an industry need for a safe, highly concentrated, multi-component delivery system for elastomer compounding.*

\* patents pending



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## The Benefits of Dispersa-Cup™ Technology Applications

**Reduces Processing Time and Costs** – Dispersa-Cup can offer manufacturing advantages during compounding such as faster mixing times due to the product's dispersibility and lubricity characteristics. In some cases, single pass mixing can be achieved with reduction in processing costs.

**Eliminates Mold Fouling** – Problems such as mold fouling related to stickiness and non-uniform dispersion can be eliminated by using Dispersa-Cup, thereby reducing scrap rates, reducing use of release agents, longer mold life and lowering overall part costs.

**Stores and Handles Easily** – The dry, non-dusty, free flowing form makes the product easy to weigh and handle.

**Eliminates unwanted inorganic clays or carbonate** that can cause color problems or defects. The encapsulated form eliminates product stratification to ensure accurate peroxide dosage.

**Eliminates products losses** inherent with two-roll mills by quick dispersion into the compound. Use this dispersion technology to minimize volatile losses inherent with liquid peroxides.

**Silicone Rubber** – Use Dispersa-Cup in silicone rubber applications for difficult to mix compounds. No lengthy post cure requirements or acidic decomposition products exist. High efficiency cure based on dosage rates as compared with other peroxides. Rapid complete transparent dispersion is not detrimental to colored systems.

**Fluoro-Elastomers and Hydrogenated NBR** – Use Dispersa-Cup in fluoro-elastomer and hydrogenated NBR applications, where mold fouling and post-cure times are critical. Avoid expensive product defects due to mold fouling.

**Two-Roll Mill Mixing Applications** – Use Dispersa-Cup in any two-roll mill mixing applications to reduce peroxide mixing times and achieve rapid complete dispersion.

**CPE** – Use Dispersa-Cup in CPE applications to achieve rapid and thorough dispersion in the mix. Achieve processing advantages by overcoming stickiness and blistering.

**Increased versatility of operation** in twin and single screw extruders.

### The Peroxy Chemicals Group of GEO Specialty Chemicals

is building on a reputation that encompasses over 50 years of leadership in manufacturing and marketing a variety of organic peroxides. The Group developed the first commercially available peroxides to combine high efficiency and thermal stability with good vulcanizing properties and low cost.

Today, the Peroxy Chemicals Group is one of the world's leading suppliers of organic peroxides for the wire and cable, rubber, plastics and polymerization industries. Our customers are familiar with recognized dialkyl peroxide brands such as Di-Cup® (dicumyl peroxide) and Vul-Cup® (organic peroxide) as well as our Liqua-Cup® liquid peroxides, hydroperoxides and ECHO® vulcanizing agent. They know they can count on the Peroxy Chemicals Group for quality, technical leadership and innovative solutions.

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