

Strategies for mitigating risk in pharmaceutical supply chain through supplier diversification

The importance of a reliable sourcing strategy

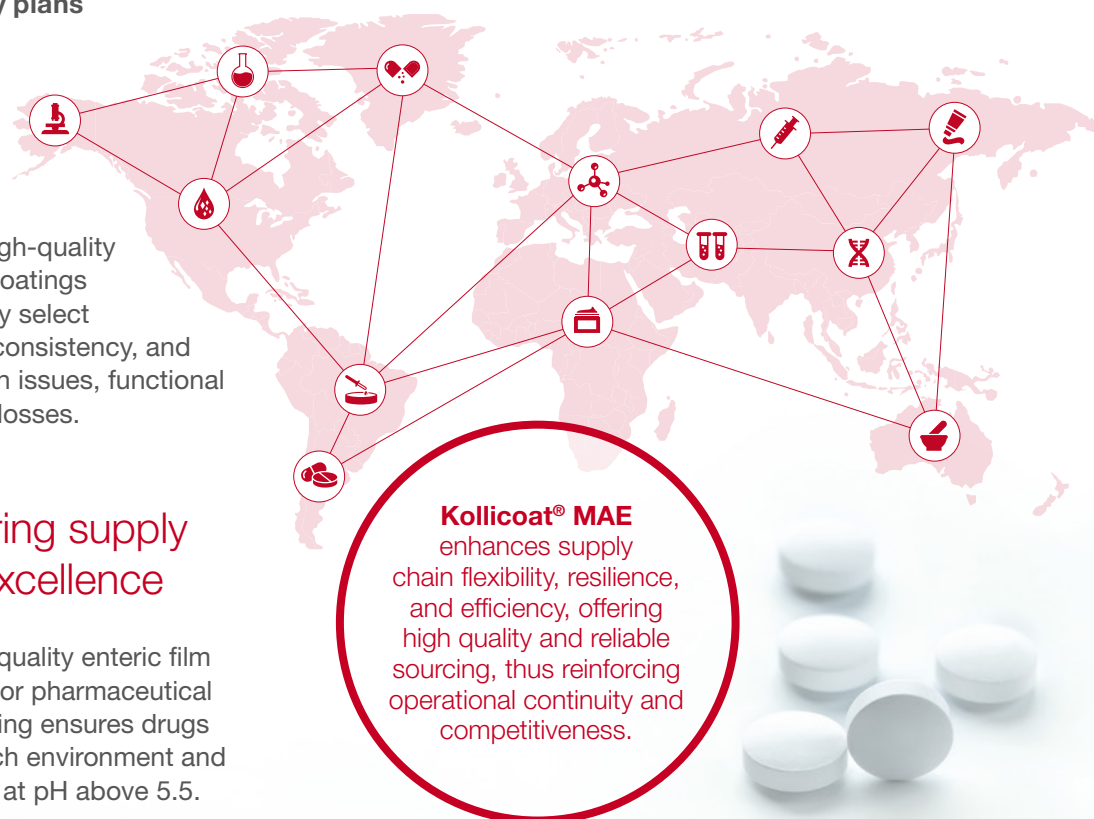
Functional pharmaceutical excipients are vital to the drug formulation, stability, and patient outcomes. In today's highly regulated and competitive pharmaceutical industry, having a reliable sourcing strategy is essential to:

- ✓ Ensure **business continuity** with a consistent supply and efficient operation
- ✓ **Minimize risks** of production and delays
- ✓ Develop robust **contingency plans** and **sourcing strategies**
- ✓ **Manage cost** pressures while maintaining stringent quality standards
- ✓ **Comply** with demanding **regulatory requirements**

Pharmaceutical companies can enhance supply chain resilience and minimize disruption risks by strategically qualifying multiple high-quality suppliers. For functional enteric coatings specifically, it is critical to carefully select excipients based on their origin, consistency, and proven quality to avoid production issues, functional deficiencies, and potential batch losses.

Kollicoat® MAE: Ensuring supply chain resilience and excellence

Kollicoat® MAE, the BASF's high-quality enteric film coating line, is a trusted solution for pharmaceutical formulations. This functional coating ensures drugs remain intact in the acidic stomach environment and release effectively in the intestine at pH above 5.5.



Advantages of Kollicoat® MAE:



Gastric-resistance functionality that meets the performance of established enteric coatings



A reliable global sourcing for consistent and scalable supply



Cost-effective sourcing without compromising on quality



Quality and Regulatory compliance with major pharmacopeias (USP, Ph. Eur., JPE).



Transparency on product related CO₂ emissions via **Product Carbon Footprints (PCFs)**

Kollicoat® MAE product portfolio

Attributes	Kollicoat® MAE 30 DP	Kollicoat® MAE 100 55 Kollicoat® MAE 100 55 Fine	Kollicoat® MAE 100 P
Characteristics	30% aqueous polymer dispersion optimized for efficient enteric film coating applications	100-55: Coarse powder for improved flowability and reduced dust 100-55 Fine: Fine powder grade with equivalent PSD to the standard market product	Pre-neutralized powder grade for a simplified and safe handling process
Regulatory compliance and compendial name	USP-NF: Methacrylic Acid and Ethyl Acrylate Copolymer Dispersion Ph. Eur.: Methacrylic Acid – Ethyl Acrylate Copolymer (1:1) dispersion 30 percent JPE: Methacrylic Acid Copolymer LD	USP-NF: Methacrylic Acid and Ethyl Acrylate Copolymer Ph. Eur.: Methacrylic Acid – Ethyl Acrylate Copolymer (1:1), Type A JPE: Dried Methacrylic Acid Copolymer LD	USP-NF: Partially-neutralized Methacrylic Acid and Ethyl Acrylate copolymer Ph. Eur.: Methacrylic Acid – Ethyl Acrylate copolymer (1:1), Type B
Retest period	24 months	36 months	36 months
Commercial packaging and article number	25 Kg PE drum ART: 50893396 1000 Kg IBC ART: 52398913	20 Kg box with PE inliner 100-55: ART: 50435436 100-55 Fine: ART: 50655762	20 Kg box with PE inliner ART: 51209751

Let's talk about sourcing optimization

Discover how BASF can enhance your pharmaceutical sourcing strategy, mitigate supply risks, and ensure regulatory compliance with the Kollicoat® MAE portfolio. Contact us to:



Get your **tailored** supply assessment and **sourcing optimization** consultation



Discuss a customized **cost-benefit analysis** and a **plan for implementing** Kollicoat® MAE



Dedicated **expert support** to streamline qualification and implementation processes



Exchange with our **sustainability expert** and discuss how to get the **individual material PCF report**

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