



» APPLICATION BULLETIN

Mevopur™ Healthcare Colorants and Formulations Special Effect Colorants

Self-administered medication, for example via pen devices and inhalers, has been the norm for many years. Nevertheless, studies estimate patient non-adherence to treatment programs to be approximately 50%. Designers are looking for ways to make their devices easier to use and more attractive—special effects can help with this.

When added to plastics, special effect pigments create a distinctive impression like pearlescence, sparkle or metallic look. These have been used successfully in personal care and consumer goods to enhance the look of products and increase market appeal. However, these raw materials often lack the regulatory documentation to support their use in healthcare applications.

Avient combines deep knowledge in the formulation of special effect polymer solutions for various applications with dedicated experience in medical plastic requirements. Ingredients used in the Mevopur™ portfolio have been tested to industry standards that support applications in both medical devices and pharmaceutical packaging.*

KEY CHARACTERISTICS

- Manufactured at several ISO 13485 certified sites across the globe, providing consistency and increased security of supply
- Documented change control beyond CAS number, reducing risk of change
- Available as pre-colored compound or masterbatch and for use in different polymers

REGULATORY SUPPORT

- Raw materials tested to:
 - ISO 10993-1 and USP <87> <88> biological evaluation
 - European Pharmacopeia 3.1.3/3.1.5 (polyolefin) or 3.1.15 (polyester)
 - USP <661.1> (polyethylene, polyester)
 - ICH Q3D elemental impurities
- Registered Drug Master File (Type III) and/or Device Master File
- Food contact declaration according to US FDA/EU**

* Design note: Effect colors require careful consideration of part design and polymer flow paths to minimize visible flow lines. It is important to consult your Avient technical representative during initial concept design.

** US FDA/EU compliance information available upon request.



Healthcare use limitations apply—see below.

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Avient is committed to the needs of our healthcare customers. As part of our commitment, we publish Avient’s Mevopur™ product policy and use limitations to assist customers in their product selection.

It is the responsibility of the medical device manufacturer and the person placing the medical device on the market to ensure compliance of the medical device with all applicable laws and regulations, including the suitability of all raw materials and components used for its manufacture.

Please be aware that there are certain applications Avient’s Mevopur products have not been designed for, nor are they promoted or intended for use in: including, but not limited to long-term or permanent implants, birth control devices, or plastic surgery.

For more detailed information on Mevopur uses and restrictions see www.avient.com/healthcare-use-limitations-mevopur-products or contact your Avient sales representative.