



## » APPLICATION BULLETIN

# Mevopur™ Healthcare Functional Additives Chemical Foaming Agents (CFA) for Medical Devices and Pharmaceutical Packaging

As the need to integrate sustainability in the design of healthcare products is growing, manufacturers of medical devices and pharmaceutical packaging are looking for materials with a more environmentally-friendly profile.

Avient takes a multi-angle approach to support sustainability in healthcare applications. One angle is to offer chemical foaming agents that help reduce plastic material use. These CFAs are the result of Avient's combined experiences in the development of chemical foaming agents for automotive plastic components and polymer solutions for healthcare applications. The products help reduce material use by up to 20% depending on part geometry and wall thickness. They are specially formulated for healthcare applications and manufactured under controlled conditions. They also improve the visual appearance of plastic components by reducing sink marks.

## KEY CHARACTERISTICS

- Manufactured under ISO 13485 procedures
- Documented change control beyond CAS number, reducing risk of change
- Can be used on common injection molding and extrusion machines—set-up support by a technical assistance team
- Available for use in polyolefins, styrenics and copolymers
- Can be combined with colorants

## REGULATORY SUPPORT

- Raw materials tested to:
  - ISO 10993-1
  - USP <87> and <88> (incl. class VI)
  - European Pharmacopeia, monograph 3.1.3/3.1.5 (polyolefin packaging materials)
  - USP <661.1> (polyethylene)
  - Elemental impurities as per ICH Q3D
- Registered Drug Master File (Type III) and/or Device Master File
- Food contact according to USA FDA and EU norms

### Sustainability Spotlight



Lightweighting





Healthcare use limitations apply—see below.

**1.844.4AVIENT**  
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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](http://www.avient.com/healthcare-use-limitations-mevopur-products) or contact your Avient sales representative.