



GO BEYOND

Solutions for Drug Delivery Systems

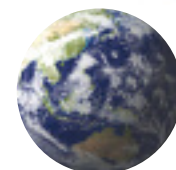
Innovative Technology for the Future

GO BEYOND

Innovative Technology for Delivering Active Pharmaceutical Ingredients

For more than 60 years, Dow Corning has drawn upon the versatility and biocompatibility of silicones to help our customers develop innovative delivery systems for pharmaceuticals, wound care and personal care applications. Yet today's pharmaceutical industry faces a number of challenges that demand new ways of thinking. That is why Dow Corning is positioned to go beyond our silicone roots to deliver innovative delivery systems, custom processes, and solutions. Our goal is to support your goals: to formulate delivery systems to extend and advance your product offering, improve the bioavailability of drugs and provide enhanced aesthetics for better patient compliance.

Talk with us about your formulating challenge or your desired application. We will work with you to explore a product solution that meets your needs.



Dow Corning's Technologies for Drug Delivery Systems

Our solutions for drug delivery systems cover a wide range of technologies, including:

- Skin adhesives
- Topical excipients
- Fluids and emulsions

Adhesives for Transdermal Drug Delivery Systems

By forming a continuous interface with the skin, silicone adhesives can help improve the bioavailability of drugs. Silicone adhesives from Dow Corning also offer optimum skin adhesion properties:

- Long-term stability, even under high-humidity conditions
- Optimized skin adhesion
- Easy, comfortable removal, with no irritating chemical byproducts

Customizable skin adhesives are available as *Dow Corning*® BIO-PSA silicone pressure sensitive adhesives (PSAs) and *Dow Corning*® 7-9800 Soft Skin Adhesive, an adhesive gel.

Excipients and Film-Forming Materials for Topical Drug Delivery Systems

Dow Corning® brand Silky Touch products are tested to meet pharmaceutical market requirements for silicon-based excipients. In topical drug delivery formulations, they may:

- Increase formulation compatibility
- Improve formulation aesthetics by providing a non-greasy, silky feel
- Improve spreading, making topical products easier to use

Active Pharmaceutical Ingredients from Dow Corning

In addition to silicone solutions for drug delivery systems, Dow Corning offers active pharmaceutical ingredients tested and certified to meet the requirements of the U.S. Pharmacopeia and European Pharmacopoeia for simethicone and dimethicone.

The Future for Your Drug Delivery Applications

We're building on proven silicone technologies to help our customers formulate systems for controlled release of actives—for the immediate future and beyond. We're ready to work with you—to use our silicone expertise, formulation skill and market knowledge, together with your pharmaceutical knowledge—to help you achieve customized solutions and novel systems, while striving to shorten your development and commercialization timelines. It is our mission to think beyond, work beyond and go beyond—even if that means going beyond silicones to deliver new ingredients that better meet your needs.

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Solutions Based on Quality and Trust

Dow Corning consistently delivers products manufactured under strict quality control standards. Materials for healthcare applications are manufactured in a dedicated, FDA-registered and inspected facility that applies appropriate Good Manufacturing Practices for the intended healthcare applications. Our global supply chain is fully integrated and documented (from raw material testing through product, to final testing and lot sample retention) for full traceability of materials. Selected Dow Corning materials for pharmaceutical use have appropriate Pharmacopoeia compliance, FDA Drug Master Files or European Technical Files.

Benefits of Silicone as a Delivery Technology

- Versatility
- Barrier properties
- Biocompatibility (non-sensitizing & non-irritating)
- Optimizable skin adhesion
- Conformability
- Flexible processing

Global Solutions for Local Needs

- A worldwide network of technical assistance centers
- Custom formulation and development support
- Materials analysis and chemical engineering services
- Toxicology services
- Regulatory support

Front Cover:
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DOW CORNING

Healthcare
Solutions

We help you invent the future.™

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