



Improve the efficacy and compliance of your topical pharmaceutical formulations with Dow Corning's versatile range of silicone excipients.

The *Dow Corning*[®] Topical Pharmaceutical Excipient product range is composed of silicon-based materials that allow you to formulate innovative solutions for the efficient delivery of your Active Pharmaceutical Ingredients (API) in topical forms like creams, lotions, gels, ointments, sprays or sticks.

Benefitting from more than 60 years experience in designing silicon-based systems Dow Corning will help you accelerate the development of your new topical galenic forms by providing test data that demonstrates functional benefits like in vitro drug delivery data based on drug models, occlusivity levels and substantivity profiles.

Dow Corning[®] silicon-based excipients enable unique and aesthetically appealing formulations making your pharmaceutical finished dosage forms easier to apply and more pleasant to use thereby helping to increase patient compliance.

To ensure consistent high quality, *Dow Corning*[®] Topical Pharmaceutical Excipients are packaged and tested at the Healthcare Industries Materials Site according to applicable GMP guidelines. Product Regulatory Information, Elemental Impurities and Summary of Health Data are available upon request. Moreover, selected US DMFs, Technical Files (TFs) Certificates of Suitability from the European Pharmacopoeia are available for registration purposes.

Dow Corning[®] Topical Pharmaceutical Excipients for Prescription/Rx Topical Drug Delivery Systems

Volatiles

Dow Corning[®] Q7-9180 Silicone Fluid (0.65 cSt and 1.0 cSt)

- ▶ **Description:** High-purity volatile silicone fluids (Low viscosity and linear polydimethylsiloxane fluid)
- ▶ **Appearance:** Clear liquid
- ▶ **Features:** Fast evaporation rate; dry, smooth feel; non-oily
- ▶ **Applications:** Carrier for sprays, spreading agent

Dow Corning[®] ST-Cyclomethicone 5 – NF

- ▶ **Description:** A volatile cyclopentasiloxane (D5) fluid tested to meet the United States National Formulary monograph for Cyclomethicone NF
- ▶ **Appearance:** Clear liquid
- ▶ **Features:** Dry, smooth feel
- ▶ **Applications:** Volatile excipient, solvent, carrier for spray

Dow Corning[®] ST-Cyclomethicone 56 – NF

- ▶ **Description:** A volatile blend of cyclopentasiloxane (D5) and cyclohexasiloxane (D6) fluid tested to meet the United States National Formulary monograph for Cyclomethicone NF
- ▶ **Appearance:** Clear liquid
- ▶ **Features:** Smooth feel on the skin
- ▶ **Applications:** Volatile excipient, solvent, compatible with a large range of lipophilic products

Fluids

Dow Corning[®] Q7-9120 Silicone Fluid

(20, 100, 350, 500, 1,000, and 12,500 cSt)

- ▶ **Description:** High-purity non-volatile silicone fluids tested according to and complies with all European Pharmacopoeia requirements for Dimethicone or Silicone Oil used as a lubricant, depending on viscosity.
- ▶ **Appearance:** Clear and colorless fluid
- ▶ **Features:** Smooth feel, skin protectant, substantive, non-occlusive, water-repellent
- ▶ **Applications:** Lubricant, emollient, spreading agent

Advancing healthcare through
material innovations



Fluids (Continued)

Dow Corning® ST-Dimethiconol 40

- ▶ **Description:** A short, hydroxy-terminated dimethicone fluid
- ▶ **Appearance:** Clear and colorless liquid
- ▶ **Features:** Compatible with hydrophilic actives, non-greasy
- ▶ **Applications:** Compatible with various pharmaceutical ingredients and hydrophilic actives, lubricant

Wax

Dow Corning® Silky Wax 10

- ▶ **Description:** A semi-occlusive, low-melting-point (53°C) silicone wax
- ▶ **Appearance:** Soft, white to light-straw, semi-crystalline wax
- ▶ **Features:** Semi-occlusive; smooth, silky feel; lubricant; matifying effect
- ▶ **Applications:** Silky gel or emulsion, semi-occlusive formulation, detackifier, rheology modifier, thickener for silicone-containing formulations

Emulsifier

Dow Corning® Emulsifier 10

- ▶ **Description:** An alkylmethyl silicone polyglycol
- ▶ **Appearance:** Transparent, clear to light-straw liquid
- ▶ **Features:** Emulsifier for low-to-medium polarity oils
- ▶ **Applications:** Versatile emulsifier for water-in-oil emulsions (up to 80% water content)

Contact Dow Corning

When you need innovation, Dow Corning can help.

Dow Corning® brand solutions are dedicated to meeting your needs for specialty materials, collaborative problem solving and innovation support. Learn how we can help you at dowcorning.com/healthcare.

Your Global Connection

Dow Corning has sales offices and manufacturing facilities worldwide, as well as full-service, global technical support. Contact us today by visiting dowcorning.com/contactus.

Blends

Dow Corning® Dimethiconol Blend 20

- ▶ **Description:** High molecular weight dimethiconol dispersed in a non-volatile carrier
- ▶ **Appearance:** Crystal clear and colorless liquid
- ▶ **Features:** Substantive, non-occlusive, film forming agent, improves spreadability
- ▶ **Applications:** Lubricant, film forming

Dow Corning® Silmogen Carrier

- ▶ **Description:** High molecular weight dimethiconol dispersed in a volatile carrier
- ▶ **Appearance:** Clear liquid
- ▶ **Features:** Substantive; smooth feel; non-occlusive; film former
- ▶ **Applications:** Substantive carrier for sprays, film forming

Dow Corning® ST-Elastomer 10

- ▶ **Description:** Silicone Elastomer blended with a volatile silicone
- ▶ **Appearance:** Translucent gel
- ▶ **Features:** Silky aesthetics properties (smooth, dry feel), non-occlusive, substantive
- ▶ **Applications:** Silky gel, rheology modifier, thickener for silicone-containing formulations

Images: AV22018, AV18802

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Dow Corning is a registered trademark of Dow Corning Corporation.
We help you invent the future is a trademark of Dow Corning Corporation.

©2014 Dow Corning Corporation. All rights reserved.

Printed in USA

30018641

Form No. 52-1015B-01

DOW CORNING

We help you invent the future.™