



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

## Product Guide

### Innovation and Regulatory Compliance

Dow Corning® brand Topical Pharmaceutical Excipients support your need for innovative solutions and regulatory compliance in your prescription/Rx topical drug delivery system applications.

#### Functional Benefits

- Enable a variety of product forms (volatile excipients, fluids, blends, waxes, emulsifiers, etc.)
- Improved aesthetics and patient compliance
- Increased formulation compatibility
- Formulation flexibility

#### Healthcare Grade

- Produced using current Good Manufacturing Practices
- Manufactured at a defined site with healthcare fit-for-purpose audit infrared identification on each batch
- Elemental impurity warranty according to ICH Q3D limits and based on USP <232> and <233>; tested biannually

#### Regulatory Support

- Product Regulatory Information, Elemental Impurities and Summary of Health Data
- Selected United States Drug Master Files, Technical Files and Certificates of Suitability from the European Pharmacopoeia

# Versatility. Efficacy. Compliance.

For more than six decades, silicones have been used extensively in both skin care products and pharmaceutical/medical applications. Leveraging experience and expertise in both of those areas, Dow Corning introduced a range of silicone topical pharmaceutical excipients for drug delivery systems.

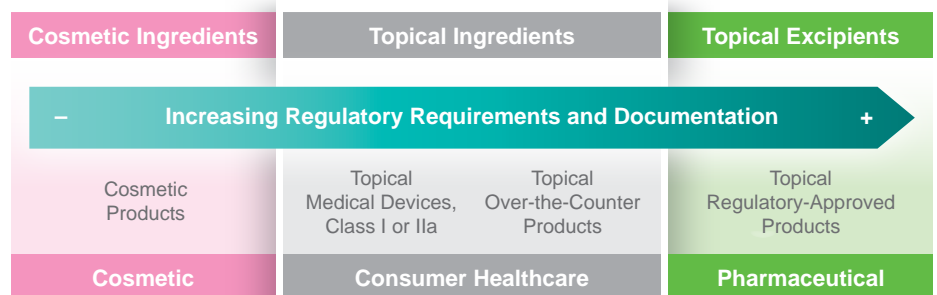
By improving the bioavailability of the Active Pharmaceutical Ingredients (API) and the aesthetics (sensory profile), our versatile range of silicone excipients can help you improve the efficacy of your topical pharmaceutical formulations — as well as patient compliance and comfort.

Dow Corning Topical Pharmaceutical Excipients allow you to formulate innovative solutions for the efficient delivery of your API in topical forms like creams, lotions, gels, ointments, sprays or sticks.

As a global leader in silicones — with a fully integrated supply chain and more than 60 years of experience in the healthcare industry — Dow Corning offers solutions, expertise, quality and regulatory compliance support for your prescription/Rx topical drug delivery systems.



### Solutions for a Full Range of Topical Applications



## Dow Corning® Topical Pharmaceutical Excipients: Product Details

	INCI Name	Features	Function(s)
<b>VOLATILES</b>			
Dow Corning® Q7-9180 Silicone Fluid (0.65 and 1.0 cSt)	Disiloxane (0.65 cSt) Trisiloxane (1 cSt)	High purity; low viscosity; fast evaporation rate; dry, smooth feel; non-oily	Carrier for spray; spreading agent
Dow Corning® ST-Cyclomethicone 5-NF	Cyclopentasiloxane	Dry, smooth feel; tested to meet United States National Formulary (USNF) monograph for Cyclomethicone NF	Volatile excipient; solvent; carrier for spray
Dow Corning® ST-Cyclomethicone 56-NF	Cyclopentasiloxane and Cyclohexasiloxane	Smooth feel on skin; tested to meet USNF monograph for Cyclomethicone NF	Volatile excipient; solvent; compatible with large range of lipophilic products
<b>FLUIDS</b>			
Dow Corning® Q7-9120 Silicone Fluid (20, 100, 350, 500, 1,000 and 12,500 cSt)	Dimethicone	High purity; smooth feel; skin protectant; substantive; non-occlusive; water-repellant; tested to meet all European Pharmacopoeia (EP) for Dimethicone or Silicone Oil used as a lubricant (depending on viscosity)	Lubricant; emollient; spreading agent
Dow Corning® ST-Dimethiconol 40	Dimethiconol	Compatible with hydrophilic actives; non-greasy	Compatible with various pharmaceutical ingredients and hydrophilic actives; lubricant
<b>WAX</b>			
Dow Corning® TI-3011 Gum Blend	Stearoxytrimethylsilane and Stearyl Alcohol	Low melting point; smooth, silky feel; lubricant; mattifying effect	Silky gel or emulsion; semi-occlusive formulation; detackifier; rheology modifier; thickener for silicone-containing formulations
<b>EMULSIFIER</b>			
Dow Corning® Emulsifier 10	Lauryl PEG/PPG — 18/18 Methicone	Emulsifier for low- to medium-polarity oils	Versatile emulsifier for water-in-oil emulsions (up to 80% water content)
<b>BLENDS</b>			
Dow Corning® Dimethiconol Blend 20	Dimethicone and Dimethiconol	Substantive; non-occlusive; film forming; improves spreadability; dispersed in a non-volatile carrier	Lubricant; film forming agent
Dow Corning® Silmogen Carrier	Dimethiconol and Hexamethyldisiloxane	Substantive; smooth feel; non-occlusive; film-forming; dispersed in a volatile carrier	Substantive carrier for sprays; film-former
Dow Corning® ST-Elastomer 10	Cyclopentasiloxane and Dimethicone Crosspolymer	Silky aesthetic properties (smooth, dry feel); non-occlusive; substantive; blended with a volatile silicone	Silky gel; rheology modifier; thickener for silicone-containing formulations

NOTE: INCI name is required for inactive ingredients disclosure per U.S. Consumer Healthcare Product Association voluntary Codes and Guidelines.

## 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](http://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](http://dowcorning.com/ContactUs).

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