



DOWSIL™ 200 Silicone Fluid 6 cSt

Features & Benefits

- Good dielectric properties
- High water repellency
- Not impacted by high heat
- High spreadability
- Low surface tension
- Low vapor pressure
- Good heat stability
- Essentially odorless and nontoxic
- Compatible with a broad range of oils
- Non-volatile carrier
- Broad volatility profile possible via blending

For personal care:

- Smooth feel, provides skin lubricity
- Excellent spreading
- Leaves no residue or buildup
- Non-greasy feel

Composition

- INCI Name: Dimethicone

Applications

Areas of potential use for DOWSIL™ 200 Silicone Fluid 6 cSt encompass a wide range of cosmetic and toiletry applications such as:

- Antiperspirants and deodorants
- Skin care
- Hair care
- Color cosmetics
- Sun care
- Nail polishes

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Crystal clear
Specific Gravity at 25°C (77°F)		0.921
Refractive Index at 25°C (77°F)		1.397
Flash Point, Closed Cup	°C (°F)	146
Surface Tension at 25°C (77°F)	dynes/cm	19.2
Cyclotetrasiloxane (D4)	%	< 0.1
Cyclopentasiloxane (D5)	%	< 0.1
Cyclohexasiloxane (D6)	%	< 0.1
China Regulation		Listed in the catalogue of Cosmetic Ingredients used in China

Description

DOWSIL™ 200 Silicone Fluid 6 cSt is a polydimethylsiloxane fluid commonly used as a base fluid in personal care products due to its excellent spreading characteristics. It is clear, essentially odorless and non-greasy.

Formulating Tips

DOWSIL™ 200 Silicone Fluid 6 cSt may be used alone or blended with other cosmetic fluids to provide a low viscosity base for a variety of cosmetic ingredients. It features good solubility in many solvents used in cosmetics.

Compatibility

Table 1: Compatibility with common personal care materials

Unit	DOWSIL™ 200 Silicone Fluid 6 cSt: Cosmetic Ingredient		
	1:9	5:5	9:1
Esters			
C12-15 Alkyl Benzoate	C	C	H
Caprylic/Capric Triglyceride	C	C	H
Ethylhexyl Palmitate	C	C	C
Fatty Alcohols			
Octyldodecanol	C	H	H
Hydrocarbons			
Mineral Oil	C	C	C
Hydrophilics			
Water	NC	NC	NC
Ethanol	C	C	C

C = Compatible, H = Hazy, NC = Not compatible / Separation

Compatibility (Cont.)

Table 1: Compatibility with common personal care materials (Cont.)

Unit	DOWSIL™ 200 Silicone Fluid 6 cSt: Cosmetic Ingredient		
	1:9	5:5	9:1
Vegetable Oils			
Helianthus Annuus (Sunflower) Seed Oil	NC	NC	NC
Silicones			
Dimethicone (350 cSt)	C	C	C

Handling Precautions

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

Usable Life and Storage

When stored at or below 25°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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