



Product Information

Dimethicone Fluid 5cSt (DMF-5cSt)

Low Viscosity Silicone (CAS # 63148-62-9) INCI Name: Dimethicone



Dimethicone Fluid 5cSt is a low viscosity 100% dimethicone that improves performance in a wide array of personal care products.

Clearco Dimethicone Fluid 5cSt (DMF-5cSt) is a low viscosity 100% Dimethicone also known as Polydimethylsiloxane (CAS # 63148-62-9). It is clear, colorless, odorless and essentially inert.

DMF-5cSt is used in a variety of personal care products, providing a soft velvety feel when applied to hair and skin. Dimethicone Fluid 5cSt provides a hydrophobic, protective, but breathable barrier to the skin (allows skin to perspire), imparting softness and emmoliency. It provides lubricity without greasiness and prevents stickiness in skin care products.

Clearco Dimethicone-5cSt offers high spreadability due to its low surface tension, which enables the fluid to spread rapidly providing ease of application. DMF-5cSt is compatible with a wide range of cosmetic solvents and is particularly advantageous when blended with cyclomethicones.

Specifications

Chemical Name	Polydimethylsiloxane
INCI/CTFA Name	Dimethicone
CAS #	63148-62-9
Appearance	Clear Liquid – Odorless & Tasteless
Viscosity Class	Low
Non-Flammable	Yes
Thermally Stable	Yes
Availability	1 – 5 – 55 gallon drums
Packaging	1-gallon (3.25kg) 5-gallon (16.25kg) 55-gallon drum (180kg)
Minimum Order	1-gallon

Features and Benefits

- Low Viscosity
- Excellent Lubrication
- Low Surface Tension – High Spreadability
- Provides a soft, emollient feel to skin
- Prevents stickiness in skin care products
- Compatible with a wide range of solvents
- Hydrophobic – water repellent
- Protects skin against transdermal water loss
- Inert- improves stability and shelf-life of formulations

TYPICAL PRODUCT DATA

Viscosity	Specific Gravity	Refractive Index	Pour Point °C	Flash Point °C Open Cup	Surface Tension Dynes cm @ 25°C	Thermal Expansion cc/cc/°C 0-150°C	Thermal Conductivity BTU	Maximum Volatility % Wt	Specific Heat BTU/lb. °F
5cSt	0.918	1.397	-65	135	19.7	0.00105	0.067	90	0.36

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