

Standard Viscosity Dimethicone Fluids (50cSt, 100cSt, 200cSt, 350cSt, 500cSt, 1,000cSt)

100% Polydimethylsiloxane CAS # 63148-62-9 (INCI Name – Dimethicone)



Dimethicone Standard Viscosity Fluids enhance performance in skin and hair products.

PSF-Standard Viscosity Dimethicone Fluids are medium viscosity 100% Polydimethylsiloxane fluids (CAS # 63148-62-9) with INCI name Dimethicone. The fluids are clear, colorless, odorless and inert. The viscosities range from 50cSt to 1,000cSt.

PSF-Standard Viscosity Dimethicone Fluids are used in a range of personal care products, providing a soft velvety feel when applied to hair and skin. They improve the feel of lotion products, and provide a hydrophobic, protective, but breathable barrier to the skin (allows skin to perspire).

In hair care products, PSF Dimethicone Fluids increase body and shine without buildup and provide better manageability.

PSF-Standard viscosity Dimethicones offer good spreadability due to their low surface tension, which enables the fluid to spread rapidly, providing ease of application (lower viscosities are even better). Dimethicones are compatible with a wide range of cosmetic solvents and are particularly advantageous when blended with Cyclomethicones.

Specifications

Chemical Name	Polydimethylsiloxane
CAS No.	63148-62-9
INCI Name	Dimethicone
Appearance	Clear, odorless fluid
Product codes	PSF-50cSt, PSF-100cSt PSF-200cSt PSF-500cSt PSF-100cSt
Minimum Order	1-gallon

Features and Benefits

- Medium 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
- Increase Body & Shine in Hair Care Products
- Improve Manageability – make hair easier to comb
- Exempt from Federal VOC Regulations

Typical Product Data

Viscosity (cSt)	Specific Gravity	Refractive Index	Pour Point (°C)	Flash Point °F (open cup)	V.T.C	Surface Tension	Thermal Expansion (cc/cc/c 0-150°C)	Thermal Conductivity g/cal/cm/sec °C	Maximum Volatility @ 150°C (%wt)	Specific Heat BTU/lb. °F
50	0.960	1.402	-55°C	285°C	0.59	20.8	0.00106	0.00036	0.5	0.36
100	0.966	1.4030	-55°C	315°C	0.60	20.9	0.00096	0.00037	0.5	0.36
200	0.968	1.4031	-50°C	315°C	0.60	21.0	0.00096	0.00037	0.5	0.36
350	0.970	1.4032	-50°C	315°C	0.60	21.1	0.00096	0.00037	0.5	0.36
500	0.971	1.4033	-50°C	315°C	0.60	21.1	0.00096	0.00038	0.5	0.36
1,000	0.971	1.4035	-50°C	315°C	0.61	21.2	0.00096	0.00038	0.5	0.36

Packaging

1-gallon pail.....	3.6kg
5-gallon pail.....	18kg
4 x 5-gallon pails	
55-gallon drum.....	200kg
F.O.B. Phila, PA 19135	

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