

# Polydimethylsiloxane (201 Methyl Silicone Fluid)

**Product Name:** Polydimethylsiloxane 201 Methyl Silicone Fluid

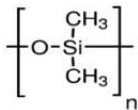
**Molecular Formula:** (C<sub>2</sub>H<sub>6</sub>OSi)<sub>n</sub>

**CAS No.:** 63148-62-9

**Product Standard:** HG/T 2366-2015

**Appearance:** Colorless transparent liquid without mechanical impurity

**Structural formula:**



**Technological Index:**

Item	Index						
	201-100	201-200	201-350	201-500	201-1000	201-12500	201-60000
Viscosity(25°C)/(mm <sup>2</sup> /s)	100±5	200±20	350±20	500±25	1000±50	12500±630	60000±3000
Flash point(Opened cup),°C/ ≥	310	310	315	315	320	330	330
Density(25°C)/(g/cm <sup>3</sup> )	0.958~0.968	0.960~0.972	0.962~0.972	0.962~0.972	0.965~0.975	0.968~0.978	0.970~0.980
Refractive Index(25°C)	1.4020~1.4040	1.4020~1.4040	1.4020~1.4040	1.4020~1.4040	1.4025~1.4045	1.4025~1.4045	1.4025~1.4045
Acid value(in KOH terms)/(μg/g) ≤	10	10	10	10	10	/	/
Volatile(150°C,2h)/% ≤	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Note: It can be customized according to the requirements.

**Properties and Uses**

It can be widely used in skin and hand cream, skin cleaner, sunscreen products, shaving cream, deodorant, bath foam and hair conditioner, also can be made into polish and defoamer. It has excellent consistency with all kind of ingredient of cosmetics and dissolving capacity to vitamin, hormone, bactericide and anti-inflammatory drugs. With its hydrophobicity, it can form a lamina on the skin surface so as to keep vitamin and drugs stay on the skin surface for a long time. It has stable effect of nutrition and can make hair soft and smooth, adding gloss as well. With its excellent adaptability to extreme weather, translucency, electrical property, moisture resistance and chemical stability, it also can be made release agent of plastic or rubber materials.

**Package, Storage and Handling**

Steel drum, net weight 190kg/drum or International Bulk Container, net weight 950kg/IBC. Using sufficient exhaust equipment. Can't be taken orally. Please wash your hands after implement suitable industrial health measure, especially before smoking and diet. Please be cautious and keep it away from oxidability materials during storage.