Silicone Products for Personal Care
(For North and South America)

Shin-Etsu Silicone

- Dimethyl Silicone Fluids
- Volatile Silicone Fluids
- Methyl Phenyl Silicone Fluids
- Alkyl Modified Silicone Fluid
- Amino Modified Silicone Fluids
- Fluid Compounds
- Dimethyl Silicone Fluid Blends
- High Polymerization Dimethiconols
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- Silicone Emulsions
- Polyether Modified Silicone Fluids
- Polyglycerin Modified Silicone Fluids
- Silicone Gels
- Silicone Acrylates
- Trimethylsiloxysilicates
- Silicone Film Formers
- Silicone Powders
- Silicone Powder Water-Suspensions
- Powder Treatments
- Surface Treated Pigments
- Powder Dispersions

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1 Dimethyl Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Matter 150°C x 24 h %	Pour Point °C	Flash Point °C	Chinese INCI
DM-FLUID-1cs	TRISILOXANE	1	0.818	1.382	Boiling point 153°C	-100	37	●
DM-FLUID-1.5cs	DIMETHICONE	1.5	0.852	1.387	Boiling point 194°C	< -90	64	●
DM-FLUID-2cs	DIMETHICONE	2	0.873	1.391	Boiling point 229°C	< -120	88	●
DM-FLUID-5cs	DIMETHICONE	5	0.915	1.396	< 40*1	< -110	102	●
DM-FLUID-A-6cs	DIMETHICONE	6	0.925	1.397	< 5.0*1	< -100	174	●
DM-FLUID-10cs	DIMETHICONE	10	0.935	1.399	< 40	< -100	> 160	●
DM-FLUID-20cs	DIMETHICONE	20	0.950	1.400	< 4.0	< -60	> 260	●
DM-FLUID-30cs	DIMETHICONE	30	0.955	1.401	< 1.5	< -55	> 280	●
DM-FLUID-50cs	DIMETHICONE	50	0.960	1.402	< 0.5	< -50	> 310	●
DM-FLUID-100cs	DIMETHICONE	100	0.965	1.403	< 0.5	< -50	> 315	●
DM-FLUID-200cs	DIMETHICONE	200	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-300cs	DIMETHICONE	300	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-350cs	DIMETHICONE	350	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-500cs	DIMETHICONE	500	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-1,000cs	DIMETHICONE	1,000	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-3,000cs	DIMETHICONE	3,000	0.970	1.403	< 0.5	< -50	> 315	●
DM-FLUID-5,000cs	DIMETHICONE	5,000	0.975	1.403	< 0.5	< -50	> 315	●
DM-FLUID-6,000cs	DIMETHICONE	6,000	0.975	1.403	< 0.5	< -50	> 315	●
DM-FLUID-10,000cs	DIMETHICONE	10,000	0.975	1.403	< 0.5	< -50	> 315	●
DM-FLUID-12,500cs	DIMETHICONE	12,500	0.975	1.403	< 0.5	< -50	> 315	●
DM-FLUID-30,000cs	DIMETHICONE	30,000	0.976	1.403	< 0.5	< -50	> 315	●
DM-FLUID-50,000cs	DIMETHICONE	50,000	0.976	1.403	< 0.5	< -50	> 315	●
DM-FLUID-60,000cs	DIMETHICONE	60,000	0.976	1.403	< 0.5	< -50	> 315	●
DM-FLUID-100,000cs	DIMETHICONE	100,000	0.977	1.403	< 0.5	< -50	> 315	●
DM-FLUID-300,000cs	DIMETHICONE	300,000	0.977	1.403	< 0.5	< -50	> 315	●
DM-FLUID-500,000cs	DIMETHICONE	500,000	0.978	1.403	< 0.5	< -50	> 315	●
DM-FLUID-1,000,000cs	DIMETHICONE	1,000,000	0.978	1.403	< 0.5	< -50	> 315	●

✻ The commercial name in US is DM-FLUID-xxx, outside of US is KF-96-xxx. (Not specified values)

✻1: 105°C x 3 h

✻ INCI names are subject to change without notice.

2 Volatile Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Freezing Point °C	Boiling Point °C	Flash Point °C	Surface Tension 25°C, mN/m	Chinese INCI
KF-995	CYCLOPENTASILOXANE	4.0	0.956	1.396	-40	210	77	17.8	●
TMF-1.5	METHYL TRIMETHICONE	1.5	0.847	1.386	-83	191	60	16.8	●
KF-4422	ETHYL METHICONE	2.2	0.863	1.400	< -100	227	82	19.1	●

✻ See page 2 for volatile dimethyl silicone fluids.

(Not specified values)

3 Methyl Phenyl Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Matter 150°C x 24 h %	Pour Point °C	Flash Point °C	Chinese INCI
F-5W-0-100cs	DIPHENYL DIMETHICONE	100	0.995	1.427	< 0.5	< -65	> 315	●
F-5W-0-1,000cs	DIPHENYL DIMETHICONE	1,000	1.000	1.427	< 0.5	< -65	> 315	●
KF-53	DIPHENYL DIMETHICONE	175	1.055	1.485	< 0.3	< -30	> 300	●
KF-54	DIPHENYL DIMETHICONE	400	1.070	1.505	< 0.5	< -30	> 300	●
KF-56A	DIPHENYLSILOXY PHENYL TRIMETHICONE	15	0.995	1.498	15*	< -55	> 100	●
KF-54HV	DIPHENYL DIMETHICONE	5,000	1.080	1.503	< 0.5	< -30	> 315	●

✻ 105°C x 3 h

(Not specified values)

4 Alkyl Modified Silicone Fluid

Parameter / Grade	INCI	Viscosity 25°C mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Matter 150°C x 24 h %	Pour Point °C	Flash Point °C	Chinese INCI
KF-4418	CAPRYLYL METHICONE	2.9	0.836	1.413	10	< -100	94	●

(Not specified values)

5 Amino Modified Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C, mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Chinese INCI
KF-8004	AMODIMETHICONE	800	0.980	1.408	●
KF-8005S	AMINOETHYLAMINOPROPYL DIMETHICONE	1,600	0.973	1.404	●
KF-8015	AMINOPROPYL DIMETHICONE	50,000-100,000	0.975	1.405	●
KF-867S	AMODIMETHICONE	1,300	0.980	1.407	●

(Not specified values)

6 Fluid Compounds

Parameter / Grade	INCI	Appearance	Viscosity 25°C, mPa·s	Specific Gravity 25°C	Chinese INCI
S-6W-6	SIMETHICONE	Light gray, translucent liquid	300	1.01	●
S-6W-9	SIMETHICONE	Light gray, translucent paste	2,500	1.01	●

(Not specified values)

✻ INCI names are subject to change without notice.

7 Dimethyl Silicone Fluid Blends

Parameter / Grade	INCI	Component A / Component B	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethicone Gum Content, %	Solvent	Chinese INCI
KF-9008	DIMETHICONE CYCLOPENTASILOXANE		30,000	0.961	1.397	20	KF-995	●
KF-9011	DIMETHICONE CYCLOPENTASILOXANE		1,600	0.959	1.397	10	KF-995	●
KF-9013	DIMETHICONE DIMETHICONE		15,000	0.954	1.401	15	DM-FLUID-20cs	●
KF-9014	DIMETHICONE CYCLOPENTASILOXANE		6,000	0.960	1.397	15	KF-995	●
MK-15H	DIMETHICONE DIMETHICONE		45,000	0.958	1.402	20	DM-FLUID-20cs	●
X-21-5495	DIMETHICONE CYCLOPENTASILOXANE		3,000	0.961	1.397	15	KF-995	●
KF-9028	DIMETHICONE CYCLOPENTASILOXANE		3,000	0.965	1.398	20	KF-995	●
KF-9030	DIMETHICONE DIMETHICONE		5,000	0.955	1.401	20	DM-FLUID-20cs	●
KF-9039	DIMETHICONE ISODODECANE		3,000	0.800	1.413	30	ISODODECANE	●
KF-9043	DIMETHICONE ISODODECANE		14,000	0.800	1.414	30	ISODODECANE	●

(Not specified values)

8 High Polymerization Dimethiconols

Parameter / Grade	INCI	Component A / Component B	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethiconol Content %	Solvent	Chinese INCI
X-21-5613*	DIMETHICONOL DIMETHICONE		5,000	0.957	1.401	20	DM-FLUID-20cs	●
X-21-5666*	DIMETHICONOL CYCLOPENTASILOXANE		15,000	0.960	1.398	30	KF-995	●
X-21-5847	DIMETHICONOL		22,000	0.975	1.404	100	—	●
X-21-5849	DIMETHICONOL		100,000	0.977	1.403	100	—	●

* Blended product

(Not specified values)

9 Amino Gum Blends

Parameter / Grade	INCI	Component A / Component B	Viscosity 25°C mm^2/s	Specific Gravity 25°C	Refractive Index 25°C	Amino Gum Content %	Solvent	Chinese INCI
KF-8017	AMINOPROPYL DIMETHICONE DIMETHICONE		2,000	0.956	1.401	10	DM-FLUID-20cs	●
KF-8018	AMINOPROPYL DIMETHICONE CYCLOPENTASILOXANE		2,000	0.961	1.397	10	KF-995	●
KF-8020	AMINOPROPYL DIMETHICONE DIMETHICONE		40,000	0.956	1.401	20	DM-FLUID-20cs	●

(Not specified values)

10 Silicone Emulsions

Parameter / Grade	INCI	Composition %	Appearance	Viscosity 25°C mPa·s	Base Oil	Silicone Solvent	Silicone Content %	PH 25°C	Ionic Character	Chinese INCI
KM-902	Component A : DIMETHICONE	50.0	Milky white emulsion	100	DM-FLUID-500,000cs	—	50	3.0	Nonionic	●
	Others	6.15								
KM-903	Component A : DIMETHICONE	18.0	Milky white emulsion	1,000	Dimethicone gum	DM-FLUID-200cs	60	3.0	Nonionic	●
	Component B : DIMETHICONE	42.0								
	Others	6.25								
KM-910	Component A : DIMETHICONE	36.0	Milky white emulsion	3,000	Dimethicone gum	DM-FLUID-200cs	60	5.0	Nonionic	●
	Component B : DIMETHICONE	24.0								
	Others	6.75								
X-52-2127	Component A : DIMETHICONE	30.0	Milky white emulsion	6,000	Dimethicone gum	DM-FLUID-200cs	75	7.0	Cationic	●
	Component B : DIMETHICONE	45.0								
	Others	4.5								
X-52-2162	Component A : DIMETHICONE	26.0	Milky white emulsion	3,000	Dimethicone gum	DM-FLUID-200cs	65	3.5	Nonionic	●
	Component B : DIMETHICONE	39.0								
	Others	5.25								
X-52-2265	Component A : AMODIMETHICONE	40.0	Milky white emulsion	—	Amino modified silicone	—	40	8.0	Nonionic	●
	Others	10.1								
X-52-2328	Component A : AMINOPROPYL DIMETHICONE	12.0	Milky white emulsion	2,500	Amino modified gum	DM-FLUID-20cs	60	7.0	Nonionic	●
	Component B : DIMETHICONE	48.0								
	Others	9.5								

(Not specified values)

✻ INCI names are subject to change without notice.

11 Polyether Modified Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C mm^2/s	Specific Gravity 25°C	Refractive Index 25°C	Calculated HLB wt%, EO/5	Cloud Point °C	Chinese INCI
KF-6011	PEG-11 METHYL ETHER DIMETHICONE	130	1.068	1.450	14.5	65	●
KF-6011P	PEG-11 METHYL ETHER DIMETHICONE	140	1.062	1.450	14.5	65	●
KF-6012	PEG/PPG-20/22 BUTYL ETHER DIMETHICONE	1,600	1.030	1.446	7.0	35	●
KF-6015	PEG-3 DIMETHICONE	150	1.000	1.420	4.5	—	●
KF-6017	PEG-10 DIMETHICONE	600	1.007	1.420	4.5	—	●
KF-6017P	PEG-10 DIMETHICONE	850	1.004	1.420	4.5	—	●
KF-6004	PEG-32 METHYL ETHER DIMETHICONE	Solid (melting point 45°C)	—	—	9.0	—	●
KF-6028	PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	900	0.998	1.420	4.0	—	●
KF-6028P	PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	900	0.997	1.420	4.0	—	●
KF-6038	LAURYL PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	700	0.958	1.430	3.0	—	●
KF-6043	PEG-10 DIMETHICONE	400	1.082	1.454	14.5	71	●
KF-6048	CETYL PEG/PPG-10/1 DIMETHICONE	2,700	0.963	1.437	3.5	—	●

✻ P Grade: odorless versions created using an improved deodorization process.

(Not specified values)

12 Polyglycerin Modified Silicone Fluids

Parameter / Grade	INCI	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Estimated HLB	Chinese INCI
KF-6104	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	4,000	0.976	1.409	Low	●
KF-6105	LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	4,000	0.950	1.426	Low	●
KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	3,500	0.982	1.412	Low	●
KF-6115	LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	1,000	0.945	1.431	Low	●

(Not specified values)

13 Silicone Gels

Parameter / Grade	INCI	Component A / Component B	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked polymer %	Chinese INCI
KSG-15	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, transparent paste	420	1.397	KF-995	4-10	●
KSG-1510	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER METHYL TRIMETHICONE		Colorless, translucent paste	420	1.389	TMF-1.5	5-10	●
USG-103	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, transparent paste	350	1.398	KF-995	8-12	●
KSG-16	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, translucent paste	330	1.400	DM-FLUID-A-6cs	20-30	●
KSG-1610	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER METHYL TRIMETHICONE		Colorless, translucent paste	380	1.389	TMF-1.5	15-20	●
USG-105	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER METHYL TRIMETHICONE		Colorless, translucent paste	390	1.388	TMF-1.5	8-12	●
USG-106	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, transparent paste	420	1.418	ISODODECANE	8-12	●
USG-110	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, transparent paste	380	1.392	DM-FLUID-2cs	8-12	●
KSG-18A	DIMETHICONE/PHENYL VINYL DIMETHICONE CROSSPOLYMER DIPHENYLSILOXY PHENYL TRIMETHICONE		Colorless, translucent paste	330	1.495	KF-56A	10-20	●
KSG-19	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, translucent paste	360	1.399	DM-FLUID-A-6cs	10-20	●
KSG-016F	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, translucent paste	350	1.398	DM-FLUID-A-6cs	20-30	●
KSG-41A	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER MINERAL OIL		Colorless, translucent paste	400	1.455	MINERAL OIL	20-30	●
KSG-42A	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, translucent paste	400	1.421	ISODODECANE	15-25	●
KSG-43	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER TRIETHYLHEXANOIN		Colorless, translucent paste	400	1.442	TRIETHYLHEXANOIN	25-35	●
KSG-44	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER SQUALANE		Colorless, translucent paste	380	1.447	SQUALANE	25-35	●
KSG-042Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, transparent paste	330	1.418	ISODODECANE	15-25	
KSG-045Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, turbidity paste	350	1.401	KF-995	15-25	
KSG-048Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, translucent paste	370	1.397	DM-FLUID-2cs	15-25	
KSG-210	DIMETHICONE/PEG-10/15 CROSSPOLYMER DIMETHICONE		Colorless, milky white paste	400	1.403	DM-FLUID-A-6cs	20-30	●
KSG-240	DIMETHICONE/PEG-10/15 CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, milky white paste	400	1.400	KF-995	15-25	●
KSG-270	DIMETHICONE/PEG-10/15 CROSSPOLYMER DIPHENYLSILOXY PHENYL TRIMETHICONE		Colorless, milky white paste	370	1.485	KF-56A	15-25	●

(Not specified values)

✻ INCI names are subject to change without notice.

Silicone Gels

Parameter / Grade	INCI	Component A / Component B	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked polymer %	Chinese INCI
KSG-310	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER MINERAL OIL		Colorless, milky white paste	400	1.450	MINERAL OIL	25-35	●
KSG-320	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, milky white paste	400	1.420	ISODODECANE	20-30	●
KSG-330	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER TRIETHYLHEXANOIN		Colorless, milky white paste	395	1.442	TRIETHYLHEXANOIN	15-25	●
KSG-340	PEG-10/LAURYL DIMETHICONE CROSSPOLYMER PEG-15/LAURYL DIMETHICONE CROSSPOLYMER SQUALANE		Colorless, milky white paste	430	1.445	SQUALANE	25-35	
KSG-320Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, milky white paste	360	1.420	ISODODECANE	20-30	
KSG-350Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, milky white paste	370	1.404	KF-995	20-30	
KSG-360Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, milky white paste	410	1.408	DM-FLUID-A-6cs	30-40	
KSG-380Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER DIMETHICONE		Colorless, translucent paste	380	1.400	DM-FLUID-2cs	25-35	
KSG-710	DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER DIMETHICONE		Colorless, milky white paste	400	1.400	DM-FLUID-A-6cs	20-30	●
KSG-810	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER MINERAL OIL		Colorless, milky white paste	380	1.450	MINERAL OIL	25-35	●
KSG-820	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER ISODODECANE		Colorless, milky white paste	340	1.420	ISODODECANE	20-30	●
KSG-830	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER TRIETHYLHEXANOIN		Colorless, milky white paste	380	1.442	TRIETHYLHEXANOIN	15-25	●
KSG-840	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER SQUALANE		Colorless, milky white paste	380	1.445	SQUALANE	25-35	●
KSG-820Z	POLYGLYCERYL-3/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER ISODODECANE		Colorless, milky white paste	360	1.420	ISODODECANE	20-30	
KSG-850Z	POLYGLYCERYL-3/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER CYCLOPENTASILOXANE		Colorless, milky white paste	360	1.404	KF-995	20-30	

(Not specified values)

14 Silicone Acrylates

Parameter / Grade	INCI	Component A / Component B	Viscosity 25°C mm²/s	Content %	Solvent	Chinese INCI
KP-541	ACRYLATES/DIMETHICONE COPOLYMER ISOPROPYL ALCOHOL		500-10,000 mPa·s	60	ISOPROPYL ALCOHOL	●
KP-543	ACRYLATES/DIMETHICONE COPOLYMER BUTYL ACETATE		100-1,000	50	BUTYL ACETATE	●
KP-545	ACRYLATES/DIMETHICONE COPOLYMER CYCLOPENTASILOXANE		100-500	30	KF-995	●
KP-549	ACRYLATES/DIMETHICONE COPOLYMER METHYL TRIMETHICONE		500-5,000	40	TMF-1.5	●
KP-550	ACRYLATES/DIMETHICONE COPOLYMER ISODODECANE		100-3,000	40	ISODODECANE	●
KP-545L	ACRYLATES/DIMETHICONE COPOLYMER DIMETHICONE		800-8,000	40	DM-FLUID-2cs	●
KP-578	ACRYLATES/ETHYLHEXYL ACRYLATE/ DIMETHICONE METHACRYLATE COPOLYMER		150-200	100	—	●
KP-561P	ACRYLATES/STEARYL ACRYLATE/ DIMETHICONE METHACRYLATE COPOLYMER		Solid (melting point 25-35°C)	100	—	●

(Not specified values)

✻ INCI names are subject to change without notice.

15 Trimethylsiloxysilicates

Grade \ Parameter	INCI	Component A / Component B	Viscosity 25°C mm²/s	Specific Gravity 25°C	Refractive Index 25°C	Resin Content %	Solvent	Film Hardness	Chinese INCI
X-21-5250	TRIMETHYLSILOXYSILICATE		60	1.034	1.404	50	KF-995	Soft	●
	CYCLOPENTASILOXANE								
X-21-5616	TRIMETHYLSILOXYSILICATE		10	0.916	1.412	60	ISODODECANE	Soft	●
	ISODODECANE								
X-21-5249	TRIMETHYLSILOXYSILICATE		60	1.036	1.404	50	KF-995	Medium	●
	CYCLOPENTASILOXANE								
KF-7312J	TRIMETHYLSILOXYSILICATE		120	1.050	1.405	50	KF-995	Hard	●
	CYCLOPENTASILOXANE								
KF-7312K	TRIMETHYLSILOXYSILICATE		5,000	1.070	1.410	60	DM-FLUID-A-6cs	Hard	●
	DIMETHICONE								
KF-7312L	TRIMETHYLSILOXYSILICATE		120	1.000	1.401	50	DM-FLUID-2cs	Hard	●
	DIMETHICONE								
KF-7312T	TRIMETHYLSILOXYSILICATE		50	1.009	1.401	60	TMF-1.5	Hard	●
	METHYL TRIMETHICONE								
X-21-5595	TRIMETHYLSILOXYSILICATE		30	0.967	1.416	60	ISODODECANE	Hard	●
	ISODODECANE								
KF-9021	TRIMETHYLSILOXYSILICATE		2,000	1.070	1.406	50	KF-995	Very hard	●
	CYCLOPENTASILOXANE								
KF-9021-ID	TRIMETHYLSILOXYSILICATE		20	0.922	1.419	50	ISODODECANE	Very hard	●
	ISODODECANE								

(Not specified values)

16 Silicone Film Formers

Grade \ Parameter	INCI	Component A / Component B	Viscosity 25°C	Content %	Solvent	Chinese INCI
NBN-30-ID	NORBORNENE/TRIS (TRIMETHYLSILOXY) SILYLNORBORNENE COPOLYMER		300 Pa·s	30	ISODODECANE	
	ISODODECANE					
TSPL-30-ID	TRIMETHYLSILOXYSILYLCARBAMOYL PULLULAN		600 mm²/s	30	ISODODECANE	●
	ISODODECANE					
TSPL-30-D5	TRIMETHYLSILOXYSILYLCARBAMOYL PULLULAN		8,000 mm²/s	30	KF-995	●
	CYCLOPENTASILOXANE					

(Not specified values)

17 Silicone Powders

Parameter / Grade	INCI	Appearance	Loss on drying 105°C x 3h %	True Specific Gravity	Average Particle Size μm	Hardness Durometer A	Chinese INCI
KMP-590	POLYMETHYLSILSESQUIOXANE	White, spherical powder	1.0	1.32	2	—	●
KMP-591	POLYMETHYLSILSESQUIOXANE	White, spherical powder	1.0	1.32	5	—	●
KMP-592	METHYL/PHENYL POLYSILSESQUIOXANE	White, spherical powder	1.0	1.32	2	—	
KMP-598	DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	White, spherical powder	1.0	0.97	13	30	●
KSP-100	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	0.1	1.00	5	30	●
KSP-101	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	0.1	0.98	12	30	●
KSP-102	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	0.1	0.98	30	30	●
KSP-105	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	0.1	0.99	2	75	●
KSP-300	DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	0.1	1.11	5	40	●
KSP-411	POLYSILICONE-1 CROSSPOLYMER	White, spherical powder	0.1	0.99	12	22	
KSP-441	POLYSILICONE-22	White, spherical powder	0.1	0.92	12	—	

(Not specified values)

18 Silicone Powder Water-Suspensions

Parameter / Grade	INCI	Composition %	Modified type	Average Particle Size μm	Rubber hardness	pH 25°C	Ionic	Chinese INCI
KM-440	Component A : VINYL DIMETHICONE/ LAURYL DIMETHICONE CROSSPOLYMER	60.0	Alkyl	5	—	6.0	Nonionic	●
	Others	2.30	—	—	—			
KM-9729	Component A : DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	50.0	—	2	75	5.0	Nonionic	●
	Others	2.75		—	—			

(Not specified values)

19 Powder Treatments

Parameter / Grade	INCI	Viscosity 25°C, mm^2/s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Content 105°C x 3h, %	Chinese INCI
F-9W-9P	METHICONE	20	0.999	1.396	< 5	●
KF-9901	HYDROGEN DIMETHICONE	20	0.971	1.398	< 5	●
KF-9908	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL DIMETHICONE	60	0.962	1.412	< 5	●
KF-9909	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	45	0.962	1.415	< 5	●
AES-3083	TRIETHOXYCAPRYLYLSILANE	2	0.875	1.417	Boiling point 100°C/2 mmHg	●

(Not specified values)

✻ INCI names are subject to change without notice.

20 Surface Treated Pigments

Parameter / Grade	INCI	Appearance	Loss on drying 105°C x 3h %	Water Repellency	Volatile Content 105°C x 3h, %	Chinese INCI
KTP-09R	IRON OXIDES (C.I. 77491) TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	Red powder	< 1.0	Yes	—	●
KTP-09Y	IRON OXIDES (C.I. 77492) TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	Yellow powder	< 1.0	Yes	—	●
KTP-09B	IRON OXIDES(C.I. 77499) TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	Black powder	< 1.0	Yes	—	●
KTP-09W	TITANIUM DIOXIDE (C.I. 77891) ALUMINUM HYDROXIDE TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYLHEXYL DIMETHICONE	White powder	< 1.0	Yes	—	●

(Not specified values)

21 Powder Dispersions

Parameter / Grade	INCI	Powder	Solvent	Powder Content wt%	Appearance	Viscosity 25°C mPa·s	Specific Gravity 25°C	Chinese INCI
SPD-T5	CYCLOPENTASILOXANE TITANIUM DIOXIDE POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE ALUMINUM HYDROXIDE STEARIC ACID	TiO_2	KF-995	40	White-light gray fluid	< 4,000	1.3	●
SPD-T7	CYCLOPENTASILOXANE TITANIUM DIOXIDE POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE ALUMINUM HYDROXIDE STEARIC ACID	TiO_2	KF-995	45	White-light gray fluid	< 4,000	1.4	●
SPD-T5L	DIMETHICONE TITANIUM DIOXIDE POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE ALUMINUM HYDROXIDE STEARIC ACID	TiO_2	DM-FLUID-2cs	40	White-light gray fluid	< 4,000	1.2	●
SPD-Z5	ZINC OXIDE CYCLOPENTASILOXANE POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	ZnO	KF-995	60	White-light yellow fluid	< 4,000	1.7	●
SPD-Z7L	ZINC OXIDE DIMETHICONE POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE TRIETHOXYCAPRYLYLSILANE	ZnO	DM-FLUID-2cs	60	White-light yellow fluid	< 4,000	1.7	●

(Not specified values)

Dimethyl silicone fluid soluble in various solvents

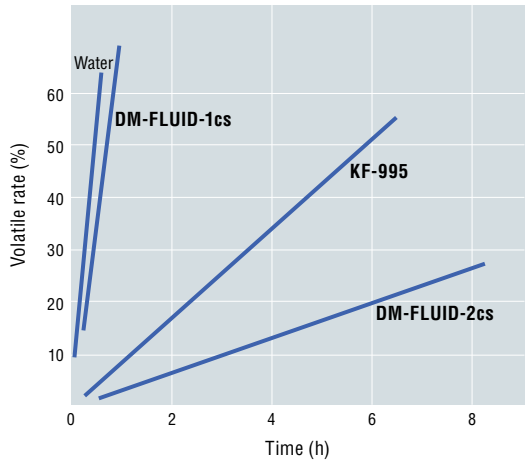
DM-FLUID (dimethyl silicone fluid) : Solubility of medium viscosity grades
Note that low viscosity grades of DM-FLUID (5 mm²/s and below) also dissolve in ethanol and other solvents, so check prior to use.

Solvent	Result
Solvent naphtha	Soluble
Industrial Gasoline	Solbule
Mineral Spirits	Soluble
Kerosene	Soluble
Cyclohexane	Soluble
n-Hexane	Soluble
n-Heptane	Soluble
Ethyl Ether	Soluble
Diisopropyl Ether	Soluble
Hexyl Ether	Soluble
Ethyl Acetate	Soluble
Butyl Acetate	Soluble
Isopropyl Ether	Soluble
Isopropyl Laurate	Soluble
Isopropyl Palmitate	Soluble
Isopropyl Myristate	Soluble
Methyl Ethyl Ketone	Soluble
Methyl Isobutyl Ketone	Soluble
Lauryl Alcohol	Soluble
Acetone	Partially Soluble
Dioxane	Partially Soluble
Butanol	Partially Soluble
2-Ethylhexanol	Partially Soluble
Amyl Acetate	Partially Soluble
Glacial Acetate Acid	Partially Soluble
Naphthene-based Lubricating Oils	Partially Soluble
Methanol	Insoluble
Ethanol*	Insoluble
Cyclohexanol	Insoluble
Ethylene Glycol	Insoluble
Carbitol	Insoluble
Glycerin	Insoluble
Diethylene Glycol Stearate	Insoluble
Propylene Glycol	Insoluble
Liquid Paraffin	Insoluble
Paraffin Wax	Insoluble
Petrolatums	Insoluble
Lubricating Oils	Insoluble
Fatty Acid (other than Glacial Acetic Acid)	Insoluble
Animal and Vegetable Oils	Insoluble
Methyl Phthalate	Insoluble
Water	Insoluble

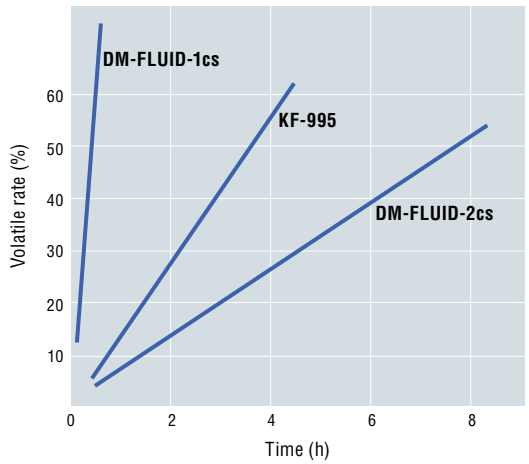
* Purity ca.95%

Volatile Data

Volatility at 25°C (measured by filter paper method)

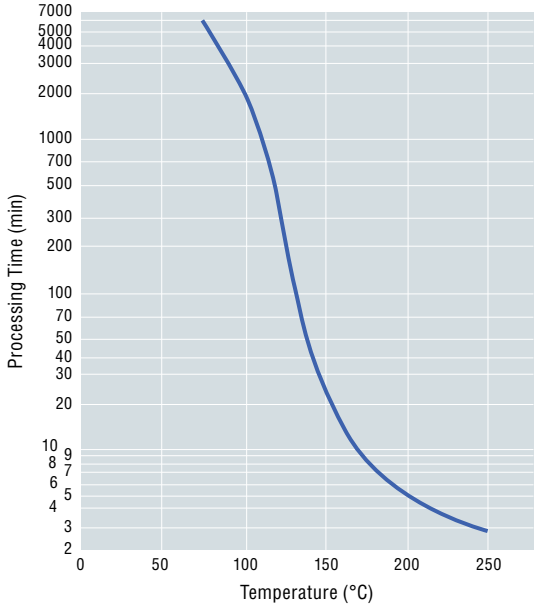


Volatility at 37°C (measured by filter paper method)



Bake-on Temperature and Processing Time Methyl Hydrogen Polysiloxane

(without solvent)



* Testing Condition
Processing Liquid: 10% F-9W-9P Solution
Testing Substrate: Glass

Solubility Dimethicone

DM-FLUID-L·DM-FLUID

Composition Rate / Silicone Fluid / Cosmetic Ingredient	Silicone Fluid : Cosmetic Ingredient					
	10:1		1:1		1:10	
	DM-FLUID-L*	**DM-FLUID**	**DM-FLUID-L***	**DM-FLUID**	**DM-FLUID-L***	**DM-FLUID**
Cetyl Alcohol	S	I	S	I	S	I
Bees Wax	I	I	I	I	S	I
Lanolin	I	I	I	I	I	I
Glycerine	I	I	I	I	I	I
Liquid Paraffin	S	I	S	I	S	I
Stearic Acid	P	I	I	I	I	I
Squalane	S	S	S	I	S	I
Jojoba Oil	S	I	P	I	P	I
Vaseline	I	I	I	I	S	I

S: Soluble P: Soluble at 60 to 80°C I: Insoluble
* DM-FLUID-L: DM-FLUID-1 to 5cs

Compatibility (20%) Polyether Modified Silicone Fluid, Polyglycerin Modified Silicone Fluid

	KF-6011 6011P	**KF-6012**	**KF-6015**	**KF-6017 6017P**	**KF-6028 6028P**	**KF-6038**	**KF-6043**	**KF-6048**	**KF-6104**	**KF-6105**	**KF-6106**	**KF-6115**	**KP-578**
DM-FLUID-A-6cs (Dimethicone)	I	I	I	S	S	S	I	I	S	S	S	S	S
TMF-1.5 (Methyl Trimethicone)	I	I	S	S	S	S	I	S	S	S	S	S	S
KF-995 (Cyclopentasiloxane)	I	I	S	S	S	S	I	S	S	S	S	S	S
KF-56A (Diphenylsiloxy Phenyl Trimethicone)	S	S	S	S	S	S	I	S	S	S	S	S	S
Mineral Oil	I	I	I	I	I	S	I	S	I	S	I	S	I
Isotridecyl Isononanoate	I	S	S	I	I	S	I	S	S	S	S	S	S
Triethylhexanoin	S	S	S	S	S	S	S	S	I	S	I	S	S
Ethanol*	S	S	S	S	S	I	S	I	I	I	I	I	I
Butylene Glycol	S	I	I	I	I	I	S	I	I	I	I	I	I
Glycerin	I	I	I	I	I	I	I	I	I	I	I	I	I
Water	S	S	I	I	I	I	S	I	I	I	I	I	I

S: Soluble I: Insoluble
* Purity ca.95%

Handling Precautions

Quality, Storage and Handling

- Since changes in quality may occur due to exposure to heat, humidity, light or acidic or alkaline environments, be sure to close tightly and store in a cool, dark location.
- Wear rubber gloves, safety glasses and other protective gear to prevent contact with the skin and mucous membranes. In case of eye contact, immediately flush eyes with plenty of running water, and consult a physician if necessary.
- To clean, wipe off excess with a rag and then wash with water.
- Keep out of reach of children.
- Please read the Safety Data Sheet (SDS) before use. SDS can be obtained from our Sales Department.

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https://www.shinetsusilicone-global.com/

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