



SILICONE BROCHURE



Volatile Silicone Fluids

| Product Name | INCI Name | Viscosity (mm ² /s) | Relative Density (g/cm ³) | Flash Point (°C) | Feature |
|--------------|--|--------------------------------|---------------------------------------|------------------|--|
| GK CM-5 | Cyclopentasiloxane | 3.5~4.5 | 0.959 | 76 | <ul style="list-style-type: none">• Volatile carrier• Compatible with a wide range of cosmetic ingredients• Low surface tension• Imparts soft silky feel to the skin• Excellent spreading• Non-greasy |
| GK CM-356 | Cyclopentasiloxane (and) Cyclohexasiloxane | 4.0~8.0 | 0.95 | 77 | <ul style="list-style-type: none">• Great Volatile carrier• Low surface tension• Bring silk smooth feeling to skin• Good spreading property |



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| Product Name | INCI Name | Viscosity (mm ² /s) | Relative Density (g/cm ³) | Flash Point (°C) | Feature |
|--------------|---------------------|--------------------------------|---------------------------------------|------------------|---|
| GK MTM-1.5 | Methyl Trimethicone | 1.5 | 0.847 | 61 | <ul style="list-style-type: none">• Lightweight, volatile and non-greasy emollient• Conditioning agent in various skincare and hair care products• It imparts a smooth and silky texture to formulations.• Helps to improve spreadability and enhance product application. |

High Viscosity Silicone Fluids

| Product Name | INCI Name | Viscosity (mPa·s) | Refractive Index (η_{D25}) | Specific Gravity (g/cm ³) | Features |
|--------------|---------------------------------------|-------------------|-----------------------------------|---------------------------------------|---|
| GK HV-8131 | Cyclopentasiloxane (and) Dimethiconol | 1500~3500 | 1.397 | 0.90 | Provide smooth and soft feeling less oily and greasy Low viscosity blend, film forming, conditions hair |
| GK HV-8161 | Cyclopentasiloxane (and) Dimethiconol | 4000~8000 | 1.396 | 0.96 | Reducing the rub to keep the skin smooth and waterproof High hydrophobic ability Silky, soft focus effect |

High Viscosity Silicone Fluids

| Product Name | INCI Name | Viscosity (mPa·s) | Refractive Index (n_{D25}) | Specific Gravity (g/cm ³) | Features |
|--------------|----------------------------|-------------------|--------------------------------|---------------------------------------|---|
| GK HV-8321 | Dimethicone & Dimethiconol | 500~2.500 | 1.396 | 0.93 | Provide smooth and soft feeling less oily and greasy Impart a smooth dry feel on the skin, high hydrophobic ability, glossing, soft focus effect |
| GK HV-8371 | Dimethicone & Dimethiconol | 5.200~8.400 | 1.396 | 0.93 | Provide smooth and soft feeling less oily and greasy Conditions hair, heat protection |

Dimethyl Silicone Fluids

| Product Name | INCI Name | Viscosity (cSt) | Density (g/cm ³) | Flash Point (°C) | Application |
|--------------|-------------|-----------------|------------------------------|------------------|--|
| GK DM-2 | Dimethicone | 1.8~2.20 | 0.873 | 86 | <ul style="list-style-type: none">• Skin care• Color cosmetics• Hair care• Antiperspirant• Deodorant |
| GK DM-5 | Dimethicone | 4.5~5.5 | 0.915 | ≥101 | |
| GK DM-6 | Dimethicone | 5.5~6.0 | 0.925 | ≥101 | |
| GK DM-50 | Dimethicone | 45.0~55.0 | 0.970 | ≥101 | |
| GK DM-100 | Dimethicone | 90.0~110.0 | 0.968 | ≥101 | |
| GK DM-200 | Dimethicone | 180.0~220.0 | 0.965 | ≥101 | |
| GK DM-350 | Dimethicone | 315.0~385.0 | 0.970 | ≥101 | |
| GK DM-1000 | Dimethicone | 315.0~385.0 | 0.970 | ≥101 | |

Phenyl Silicone Fluids

| Product Name | INCI Name | Viscosity | Refractive Index (η_D25) | Relative Density (g/cm ³) | Features |
|--------------|------------------------------------|------------------------------|---------------------------------|---------------------------------------|---|
| GK PTM-256 | Phenyl Trimethicone | 15~30 (mm ² /s) | 1.45~1.48 | 0.97~0.99 | <ul style="list-style-type: none">• High Refractive• Provide emolliency and shininess to skin |
| GK PDM-256A | Diphenylsiloxy Phenyl Trimethicone | 10~20 (mm ² /s) | 1.49~1.50 | 0.995 | |
| GK TPD-4352 | Trimethylsiloxyphenyl Dimethicone | 800~1500 (mPa·s) | 1.49~1.51 | - | <ul style="list-style-type: none">• Waterproof and oxidation resistance• Increase the gloss of products and after use |
| GK TPT-4355 | Trimethyl Pentaphenyl Trisiloxane | 165-185 (mm ² /s) | 1.5765-1.5785 | - | <ul style="list-style-type: none">• Superior shine• Long lasting and resistance to water• Provide excellent non-oily, non-greasy and silky feel |

A background image showing various cosmetic products. At the top, there are several circular containers of blush or powder in shades of pink, orange, and red. Below these, several makeup brushes with black and white bristles and gold-colored handles are arranged diagonally. The overall scene is set against a light, neutral background.

Alkyl-Modified Silicone

| Product Name | INCI Name | Viscosity (cSt) | Refractive Index (η_{D25}) | Flash Point ($^{\circ}\text{C}$) | Features |
|--------------|--------------------|-----------------|-----------------------------------|------------------------------------|---|
| GK 6034 | Caprylyl Methicone | 2.0~4.0 | 1.413 | ≥ 101 | Provides unique light and smooth. Act as dispersing medium for colour pigments. |

Silicone Emulsifiers

| Product Name | INCI Name | Viscosity (mPa·s) | Refractive Index (η_{D25}) | HLB | Feature |
|--------------|---|-------------------|-----------------------------------|-------|---|
| GK PES-7210 | Cetyl PEG/PPG-10/1 Dimethicone | 900~2400 | 1.430~1.443 | Apx 5 | Emulsifier W/O emulsions, high compatibility with active ingredients |
| GK PES-7210A | Cetyl PEG/PPG-10/1 Dimethicone | 900~2300 | 1.435~1.443 | 4~5 | Emulsifier W/O, W/Si, O/W/O, W/O/W; excellent stability and non-sticky sensory; compatible with broad range of oils |
| GK PES-7320 | Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone | 40~125 | 1.400 | <3 | Emulsifier W/O, W/Si; As a formulation aid dispersing both polar and non-polar ingredients in formulation |
| GK PES-7326 | Lauryl PEG-9 Polydimethylsiloxoxyethy l Dimethicone | 400~800 | 1.430 | 3 | Emulsifier W/O, W/Si excellent ability for dispersing powders |

Silicone Emulsifiers

| Product Name | INCI Name | Viscosity | Refractive Index (η_{D25}) | HLB | Feature |
|--------------|---------------------------|--------------------------------|-----------------------------------|-------|--|
| GK PES-7410 | PEG-10 Dimethicone | 400.0~800.0 mm ² /s | 1.418~1.428 | 4.5 | W/O, W/Si emulsifier, good compatibility with silicones and other organic oils |
| GK PES-7410A | PEG-10 Dimethicone | 400~1.600 mm ² /s | 1.410~1.430 | 4.5 | Emulsifier W/O, W/Si, Easy to emulsify under cold or hot conditions |
| GK PES-7420 | PEG-12 Dimethicone | 250~500 cSt | 1.450~1.460 | 12 | O/W emulsifier |
| GK PES-7322 | Lauryl PEG-8 Dimethicone | 1500~5000 mPa·s | 1.430~1.450 | >11 | O/W Emulsifier |
| GK PES-3290 | PEG/PPG-15/15 Dimethicone | 300~600 mPa·s | 1.450~1.460 | 11~12 | O/W emulsifier |

Silicone Elastomers

| Product Name | INCI Name | Viscosity (mPa·s) | Gel Content (%) | Density (g/cm ³) | Feature |
|--------------|--|---------------------|-----------------|------------------------------|--|
| GK PS-6330 | Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer | 300,000~600,000 | 13~16 | 0.96 | <ul style="list-style-type: none">• Light• Smooth |
| GK PS-6330A | Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer | 380,000~600,000 | ≥ 95 | - | <ul style="list-style-type: none">• Silky• Shine effect• Smooth |
| GK PS-6330B | Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer | 1,100,000~1,500,000 | 78~83 | - | <ul style="list-style-type: none">• Velvet• Smooth• Soft & long lasting mist sensation |

Silicone Elastomers

| Product Name | INCI Name | Viscosity (mPa·s) | Gel Content (%) | Density (g/cm ³) | Feature |
|--------------|--|-------------------|-----------------|------------------------------|---|
| GK PS-6330C | Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer | 280~380 | ≥ 95.00 | - | <ul style="list-style-type: none">• Low-volatile• Obvious matte performance• High silky and powdery texture |
| GK PS-6360 | Dimethicone (and) Dimethicone Crosspolymer | 150,000~600,000 | 18-22 | 0.96 | <ul style="list-style-type: none">• Silky• Moisture• Quick Absorption |
| GK PS-6360A | Dimethicone (and) Dimethicone Crosspolymer | - | 80~90 | - | <ul style="list-style-type: none">• Ultra-blurring soft-focus matte finish• Velvet-smooth |

Silicone Elastomers

| Product Name | INCI Name | Viscosity (mPa·s) | Gel Content (%) | Application |
|--------------|---|-------------------|-----------------|--|
| GK PS-6140 | Dimethicone/Vinyl Dimethicone Crosspolymer (and) Cyclopentasiloxane (and) Dimethicone | 300,000~800,000 | 12~15 | <ul style="list-style-type: none">• Silky smoothness and a light, non-greasy skin feel• Mattifying |
| GK PS-6610 | Dimethicone (and) Cetearyl Dimethicone Crosspolymer | 160,000~360,000 | 49.6 | <ul style="list-style-type: none">• Shear thinning• Highly effective thickening and can be used in waterless formulations• Non-sticky• Extensive pH stability and can be adapted to high or low pH formulations• D4, D5, D6 less than 1000 ppm |

Silicone Elastomers

| Product Name | INCI Name | Viscosity (mPa·s) | Gel Content (%) | Application |
|--------------|---|-------------------|-----------------|--|
| GK PS-6150 | Cyclopentasiloxane, dimethicone/vinyl dimethicone crosspolymer | 200,000~400,000 | 12.5~14.5 | <ul style="list-style-type: none">• Odourless• Gives a pleasant smoothness while thickening the formula |
| GK PS-6160 | Cyclopentasiloxane (and) Dimethicone Crosspolymer | 250,000~580,000 | 12.5~14.5 | <ul style="list-style-type: none">• Share thinning• Easy to combine with pigments and other cosmetic components• None greasy silky feel• Light and not sticky• Velvet feel |
| GK PS-9046 | Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone / Vinyl Dimethicone Crosspolymer (and) Dimethiconol | 250.000~450.000 | 14~17 | <ul style="list-style-type: none">• Silky touch• Reduce the stickiness• Slight sebum absorbing• Act as a thickener in W/O systems |

Silicone Elastomers

| Product Name | INCI Name | Bulk Density (g/cm ³) | Volatile Content (%) | Average Particle (µm) | Feature |
|--------------|--|-----------------------------------|----------------------|-----------------------|--|
| GK PS-6701 | Dimethicone/ Vinyl Dimethicone crosspolymer (and) Silica | 0.3~0.4 | <1.0 | 4.0~8.0 | <ul style="list-style-type: none">• Free flowing fine particles• Silky-powdery skin fee• Wrinkle masking• Superior dispersion quality• Absorption of various fluids and oils |

Silicone Resin

| Product Name | INCI Name | Powder & Liquid | Density (g/cm ³) | Feature |
|--------------|--------------------------|-------------------------------|------------------------------|---|
| GK POW-2000 | Polymethylsilsesquioxane | Particle Size : 3.5~4.5 μm | 0.4~0.6 | Aids in sebum absorption and provides a lubricity and matte effect with silky touch. Fill into fine lines to reduce wrinkles, fine lines and provides smooth surface. |
| GK MQ-2000 | Trimethylsiloxysilicate | Particle Size : 10 μm | 1.3 | Wash-off and rub-off resistant, and offers great durability. Provides color fixing for no transfer and long lasting. |
| GK MQ-2000A | Trimethylsiloxysilicate | 500~2000 Viscosity (mPa•s) | - | Type of liquid MQ silicone resin. It is soluble in silicone oils and organic solvents. This low molecular weight MQ resin is advised to be used with other hard film-forming agent, in order to improve flexibility, adhesion, anti-scratching performance. |

Silicone Resin

| Product Name | INCI Name | Viscosity | Density (g/cm ³) | Feature |
|--------------|--|------------------------------|------------------------------|--|
| GK MQ-8815 | Trimethylsiloxysilicate (and) Cyclopentasiloxane | 300-500 (mPa•s) | - | <ul style="list-style-type: none">• Film forming• Long-lasting• Hydrophobicity• Easy to use |
| GK MQ-8594 | Cyclopentasiloxane (and) Trimethylsiloxysilicate | 150~600 (mm ² /s) | 1.40~1.41 | <ul style="list-style-type: none">• Long-lasting• Film forming• Wash-off resistance |
| GK MQ-8820 | Trimethylsiloxysilicate (and) Polypropylsilsesquioxane | - | 0.45~0.75 | <ul style="list-style-type: none">• Film forming• Long-lasting• Hydrophobicity• Easy to use |

Organosilicone Composite Powder

| Product Name | INCI Name | Bulk Density (g/cm ³) | Average Particle (μm) | Oil Absorption Rate (g/100g) | Features |
|--------------|---|-----------------------------------|-----------------------|------------------------------|---|
| GK PS-9106K | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.98 | 6~11 | 100 | <ul style="list-style-type: none">• improve texture• Velvet texture• Natural vision effects• Good color fixation |
| GK PS-9102 | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.99 | 8~12 | 100 | <ul style="list-style-type: none">• Improve texture• Velvet texture• High oil absorption• Good color-fixation |

Organosilicone Composite Powder

| Product Name | INCI Name | Bulk Density (g/cm ³) | Average Particle (μm) | Oil Absorption Rate (g/100g) | Features |
|--------------|---|-----------------------------------|-----------------------|------------------------------|---|
| GK PS-1713 | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.99 | 8~12 | 100 | <ul style="list-style-type: none">• Strong Soft focus effect and cover fine lines• Soft and silky• Higher oil absorption rate |
| GK PS-1713A | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.98 | 6~10 | 100 | <ul style="list-style-type: none">• Velvet texture• Natural vision effects• Good color-fixation |

Organosilicone Composite Powder

| Product Name | INCI Name | Bulk Density (g/cm ³) | Average Particle (μm) | Oil Absorption Rate (g/100g) | Features |
|--------------|---|-----------------------------------|-----------------------|------------------------------|---|
| GK PS-1713B | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.98 | 8~12 | 106 | <ul style="list-style-type: none">• Veil & durable silky texture• Abvious foggy makeup• Good oil-control effect |
| GK PS-1713C | Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer | 0.98 | 6~10 | 86 | <ul style="list-style-type: none">• Soft casmir texture• Good color-fixation• Good soft focus vision effects |

Sunscreen Composite Powder

| Product Name | INCI Name | Bulk Density | Average Particle (μm) | Oil Absorption Rate (g/100g) | Features |
|--------------|---|--------------|------------------------------------|------------------------------|--|
| GK PS-1707 | Titanium Dioxide (and) Polymethylsilsesquioxane | ≤ 40 | 1~7 | 65 | Patch feeling well and has the feeling of velvet, and also provide better protection against UVB with excellent soft powdery feeling |

Silicone Emulsion

| Product Name | INCI Name | External Phase Viscosity (mm ² /s) | Solid Content (%) | Feature |
|--------------|--|---|-------------------|---|
| GK AMM-6949 | Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride | <30 | 30-35 | <ul style="list-style-type: none">• Enhance wet/dry combing• Enhance shine and reduce static• Enhance dry sensory feel• O/W emulsifier |
| GK EMUL-1785 | Dimethiconol (and) TEA-Dodecylbenzenesulfonate | <200 | 58-60 | |

Silicone Emulsion

| Product Name | INCI Name | Viscosity (mPa·s) | Amine Value (mmol/g) | Feature |
|---------------|--------------------------------|-------------------|----------------------|---|
| GK AMM-3120LC | Bis-Cetearyl Amodimethicone | 5000~20000 | 0.070~0.220 | <ul style="list-style-type: none">• Heat protection• Excellent smoothness and shine without greasiness• Low yellowing• Superior conditioning and manageability |
| GK AMM-3122LC | Bis-Aminopropyl Dimethicone | 8000~15000 | <0.100 | <ul style="list-style-type: none">• Low yellowing• Deeply repair damage hair• Excellent smoothness and softness• Excellent dry and wet combing performance |

Amino Fluid

Product Name

INCI Name

Viscosity (mPa·s)

Value (mmol/g)

Feature

GK AMM-6405

Amodimethicone

3000-4000

0.85~0.95
(Ammonia)

- Enhance wet/dry combing
- Provides smooth, feel to dry hair
- Decreases fly-away
- Protects hair from heat damage

GK AMM-6405A

Amodimethicone

1500~3000

0.32~0.42 (Amine)

- Repair damaged hair
- Outstanding dye-fixing
- Impart glossy, soft, silky and puffy feeling to hair
- Excellent conditioning and antistatic performance

Silicone Wax

| Product Name | INCI Name | Relative Density (g/cm ³) | Specific Gravity (25°C) | Melting Point (°C) | Feature |
|--------------|---|---------------------------------------|-------------------------|--------------------|---|
| GK 2507 | Bis-PEG-18 Methyl Ether Dimethyl Silane | 1.04 | 1.03 | 36~42 | Excellent water solubility and can form a clear and transparent aqueous solution. Improve the moisturizing properties of the formula; give skin and hair moisture and shine |