

Gelest Personal Care Product Summary

February 2022



A Group Company of MITSUBISHI CHEMICAL

Surface Treated Pigments

Treatment	Gelest Product	INCI Name
C8 Silane	Gelest TC Pigments	Triethoxycaprylylsilane
Sebum Resistant	Gelest SR Pigments	Trimethylsiloxysilicate
Silky Slip	Gelest SS Pigments	Stearyl Triethoxysilane
Hydroperse	Gelest HS Pigments	Disodium Carboxyethyl Siliconate
Maximum Loading	Gelest ML Pigments	Dimethicone PEG-3 Laurate
Silky Slip	Seribrite™ SS ‡	Mica (&) Stearyl Triethoxysilane
Diethicone	Gelest DE Pigments ‡	Polydiethylsiloxane
Dimethicone	Gelest DM Pigments ‡	Polydimethylsiloxane
Skin Friendly	Gelest SF Pigments ‡	Triethoxysilylpropyl Acetyl Hydroxyprolinate

All Products:



Hybrid Fluids

Product	Brand	Code	INCI Name
DiEthicone 12	SiBrid®	DE-12	Polydiethylsiloxane
DiEthicone 15	SiBrid®	DE-15	Polydiethylsiloxane
DiEthicone 23	SiBrid®	DE-23	Polydiethylsiloxane
Propyl Trisiloxane	SiBrid®	TM-031	Propyl Trisiloxane
Caprylyl Methicone	SiBrid®	TM-081	Caprylyl Methicone
Lauryl Methicone	SiBrid®	TM-121	Lauryl Methicone
Stearyl Methicone	SiBrid®	TM-181	Stearyl Methicone
Lauryl Phenylpropyl Methicone	SiBrid®	PM-212	Lauryl Phenylpropyl Methicone
omega-Anisyl dimethicone	Vertasil®	VAN-07	Bis(Methoxyphenyl propyl/ butyl) Dimethicone
omega-Limonenyl dimethicone	Vertasil®	VLM-07	Bis(Methylcyclohexenyl- isopropyl/butyl) Dimethicone
Limonenyl trisiloxane	Vertasil®	TM-L01	Methylcyclohexenyl Isopropyl Trisiloxane
Tocopheryl-oxypropyl trisiloxane	Vertasil®	TM-VE1	Tocopheryloxypropyl Trisiloxane
Cannabidiol Trisiloxane	Vertasil®	TM-CBD1	Cannabidiol Trisiloxane

Gelest offers a variety of treated inorganic pigments:

• Whites & Minerals

- Titanium Dioxide
- Talc
- Sericite (Mica)



• Ultramarines

- Blue
- Pink
- Violet



• Iron Oxides

- Red
- Yellow
- Black



• Others

- Chromium Oxide Greens
- Manganese Violet



We can also custom surface treat your pigments!

Surface Treat Pigments Summary - Benefits

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Treatment	Gelest Product	INCI Name	Claims	Features & Benefits								
				Wetting	Skin Feel	Improve Wear	Skin Adhesion	Compressibility	Improve Water Repellency	Low Oil Absorption	High Solids Loading	
C8 Silane	Gelest TC Pigments	Triethoxycaprylylsilane	Hydrophobic, improves pigment wetting	**	*	*	*	**	**	**		
Sebum Resistant	Gelest SR Pigments	Trimethylsiloxysilicate	Excellent hydrophobicity with skin and hair adhesion	**		***	***	**	***	***	**	
Silky Slip	Gelest SS Pigments	Stearyl Triethoxysilane	Excellent hydrophobicity and wetting with nice emollient skin feel	**	***	***	**	***	***	**	**	
Hydroperse	Gelest HS Pigments	Disodium Carboxyethyl Siliconate	Instant water dispersibility	***							***	
Maximum Loading	Gelest ML Pigments	Dimethicone PEG-3 Laurate	Maximum wetting in non-polar oils	***		*	*	*	**	***	***	
Silky Slip	Seribrite™ SS ‡	Mica (&) Stearyl Triethoxysilane	High whiteness sericite	**	***	***	**	***	***	**	**	
Diethicone	Gelest DE Pigments ‡	Polydiethylsiloxane	Faster dispersion, improved spreadability and rich powder feel	***	***	**		**	**	***	***	
Dimethicone	Gelest DM Pigments ‡	Polydimethylsiloxane	Hydrophobic treatment that improves overall pigment performance	*	**	**	*	*	**	*	**	
Skin Friendly	Gelest SF Pigments ‡	Triethoxysilylpropyl Acetyl Hydroxyprolinate	Amino acid treatment	**	**	*	**	**				

Surface Treat Pigments Summary - Applications

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Treatment	Gelest Product	INCI Name	Claims	Applications											
				Pressed Powder	Loose Powder	Pencils	Eye Shadows	Lip	Mascara	CC Creams	Concealers	Foundations	Hot Pours	Liquid Liners	
C8 Silane	Gelest TC Pigments	Triethoxycaprylylsilane	Hydrophobic, improves pigment wetting	X	X	X	X	X	X	X	X	X	X	X	X
Sebum Resistant	Gelest SR Pigments	Trimethylsiloxysilicate	Excellent hydrophobicity with skin and hair adhesion	X	X	X	X	X	X	X	X	X	X	X	X
Silky Slip	Gelest SS Pigments	Stearyl Triethoxysilane	Excellent hydrophobicity and wetting with nice emollient skin feel	X	X	X	X	X	X	X	X	X	X	X	X
Hydroperse	Gelest HS Pigments	Disodium Carboxyethyl Siliconate	Instant water dispersibility						X	X	X	X			X
Maximum Loading	Gelest ML Pigments	Dimethicone PEG-3 Laurate	Maximum wetting in non-polar oils			X		X	X	X	X	X	X	X	X
Silky Slip	Seribrite™ SS [‡]	Mica (&) Stearyl Triethoxysilane	High whiteness sericite	X	X	X	X	X	X	X	X	X	X	X	X
Diethicone	Gelest DE Pigments [‡]	Polydiethylsiloxane	Faster dispersion, improved spreadability and rich powder feel	X	X	X	X	X	X	X	X	X	X	X	X
Dimethicone	Gelest DM Pigments [‡]	Polydimethylsiloxane	Hydrophobic treatment that improves overall pigment performance	X	X	X	X	X	X	X	X	X	X	X	X
Skin Friendly	Gelest SF Pigments [‡]	Triethoxysilylpropyl Acetyl Hydroxyprolinate	Amino acid treatment	X	X		X			X	X	X			

Specialty Hybrid Fluids Summary - Benefits

February 2022



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							FEATURES & BENEFITS					
Product	Brand	Code	Refractive Index	Viscosity cSt	INCI Name	Claims/Certifications	Slip	Reduces Tack	Emolliency	Solubilizer	Compatibilizer	Improves Water Resistance
DiEthicone 12	SiBrid®	DE-12	1.438	15-20	Polydiethylsiloxane	Reduces tack, slip enhancer, good solubilizer	***	***	*	***		**
DiEthicone 15	SiBrid®	DE-15	1.442	40-50	Polydiethylsiloxane	Reduces tack, slip enhancer	***	***	*	**		**
DiEthicone 23	SiBrid®	DE-23	1.447	250-350	Polydiethylsiloxane	Emollient	**	**	***	*		**
Propyl Trisiloxane	SiBrid®	TM-031	1.399	1 - 2	Propyl Trisiloxane	Solubilizer	**	**		***		
Caprylyl Methicone	SiBrid®	TM-081	1.413	3	Caprylyl Methicone	Slip enhancer, solubilizer	***	***	*	***	***	*
Lauryl Methicone	SiBrid®	TM-121	1.431	5 - 6	Lauryl Methicone	Emollient, slip enhancer	**	**	**	**		*
Stearyl Methicone	SiBrid®	TM-181	1.433	12 - 13	Stearyl Methicone	Emollient, slip enhancer	*	*	***	*		*
Lauryl Phenylpropyl Methicone	SiBrid®	PM-212	1.464	1500	Lauryl Phenylpropyl Methicone	High refractive index, shine enhancer, improves wear			*			*
omega-Anisylldimethicone	Vertasil®	VAN-07	1.43	7 - 8	Bis(Methoxyphenyl propyl/ butyl) Dimethicone	Shine & slip	**	*				
omega-Limonenyldimethicone	Vertasil®	VLM-07	1.424	7 - 8	Bis(Methylcyclohexenyl-isopropyl/butyl) Dimethicone	Cleansing, emollient	**	*				
Limonenyltrisiloxane	Vertasil®	TM-L01	1.426	4 - 5	Methylcyclohexenyl Isopropyl Trisiloxane	Cleansing, emollient, compatibilizer	*	***		***	***	
Tocopheryl-oxypropyltrisiloxane	Vertasil®	TM-VE1	1.472	700	Tocopheryloxypropyl Trisiloxane	Solubilizer, tack, film former			***	***		**
Cannabidiol Trisiloxane	Vertasil®	TM-CBD1	1.453	70	Cannabidiol Trisiloxane	Solubilizer, film former, compatibilizer	*	*	**	***	***	*

Specialty Hybrid Fluids Summary - Applications

February 2022



A Group Company of MITSUBISHI CHEMICAL

Product	Brand	Code	Refractive Index	Viscosity cSt	INCI Name	Claims/Certifications	APPLICATIONS				
							Make-up	Skin Care	Sun Care	Hair Care	Bath & Body
DiEthicone 12	SiBrid®	DE-12	1.438	15-20	Polydiethylsiloxane	Reduces tack, slip enhancer, good solubilizer	X	X	X	X	X
DiEthicone 15	SiBrid®	DE-15	1.442	40-50	Polydiethylsiloxane	Reduces tack, slip enhancer	X	X	X	X	X
DiEthicone 23	SiBrid®	DE-23	1.447	250-350	Polydiethylsiloxane	Emollient	X	X			X
Propyl Trisiloxane	SiBrid®	TM-031	1.399	1 - 2	Propyl Trisiloxane	Solubilizer				X	X
Caprylyl Methicone	SiBrid®	TM-081	1.413	3	Caprylyl Methicone	Slip enhancer, solubilizer	X	X	X	X	X
Lauryl Methicone	SiBrid®	TM-121	1.431	5 - 6	Lauryl Methicone	Emollient, slip enhancer	X	X	X		X
Stearyl Methicone	SiBrid®	TM-181	1.433	12 - 13	Stearyl Methicone	Emollient, slip enhancer		X			X
Lauryl Phenylpropyl Methicone	SiBrid®	PM-212	1.464	1500	Lauryl Phenylpropyl Methicone	High refractive index, shine enhancer, improves wear				X	
omega-Anisylldimethicone	Vertasil®	VAN-07	1.43	7 - 8	Bis(Methoxyphenyl propyl/ butyl) Dimethicone	Shine & slip				X	X
omega-Limonenyldimethicone	Vertasil®	VLM-07	1.424	7 - 8	Bis(Methylcyclohexenyl-isopropyl/butyl) Dimethicone	Cleansing, emollient				X	X
Limonenyltrisiloxane	Vertasil®	TM-L01	1.426	4 - 5	Methylcyclohexenyl Isopropyl Trisiloxane	Cleansing, emollient, compatibilizer				X	X
Tocopheryl-oxypropyltrisiloxane	Vertasil®	TM-VE1	1.472	700	Tocopheryloxypropyl Trisiloxane	Solubilizer, tack, film former	X	X	X	X	X
Cannabidiol Trisiloxane	Vertasil®	TM-CBD1	1.453	70	Cannabidiol Trisiloxane	Solubilizer, film former, compatibilizer		X	X	X	X

Key Contacts



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THANK YOU!