



# Silanes & Siloxanes

*We provide professional silicone solution*

**Marketing department:**

Any business related with advertisements, fairs please contact with us

marketing@vanabio.com

Phone: **+86-21-57559320**

**Delivery department:**

For transportation cooperation please contact with us

logistic@vanabio.com

Phone: **+86-21-57559320**

**Address:**

Room 1209, Building 2#, No . 1588 Huhang road, Fengxian District, Shanghai 201401 CHINA.



Innovative silicone solutions for a better world.



## About Us

Vanabio is a leading global provider of organic silicon new materials and technological solutions. Since our establishment in 2005, we have been devoted to the development and production of products such as silanes and siloxanes, silicone oil, silicone rubber, hydrophobic silanes, silicone polymers, and additives.

Our research and development center is located in Shanghai, China, boasting a dedicated R&D team composed of numerous PhDs and experienced engineers. We maintain close collaborations with many renowned universities in China, striving to advance the application research of novel silicon materials in sectors such as textiles, cosmetics, agrochemicals, and construction. We provide our customers with customized solutions.

Vanabio owns a complete silicon-based material industrial chain, including an upstream silicon material production base and multiple downstream silicon material production bases. All of our production bases have passed ISO9001 and ISO14001 certification. Our team consists of 135 professional employees, among which over 30 are senior engineers.

Vanabio's products have been successfully exported to more than 100 countries worldwide, finding wide applications in fields such as adhesives and sealants, agriculture, artificial marble, building protection, coatings and pigments, fillers and pigments, casting, glass fiber, leather and textiles, chemical manufacturing, personal care, construction, pharmaceuticals, plastics and thermoplastics, polyurethane foam, rubber and tires, wires and cables, and more.

As a customer-centric company, Vanabio is committed to providing reliable, efficient, and professional services. We welcome partnerships with customers around the globe for mutual growth. We pledge ongoing innovation and are dedicated to the sustainable green development of the chemical industry, delivering superior chemical products and services to customers worldwide.





# CONTENTG

Directory



## Textiles & Fabrics-----01/06

- Intermediate Raw materials for textile softeners
- Amino silicone oil & emulsions
- Block silicone oil & emulsion
- Hydrophilic silicone oil & emu
- Special silicone emulsion

## Personal Care-----07/14

- Phenyl Silicone
- Volatile Silicone Fluid
- Silicone Emulsion
- Functional Silicone

## Coatings & Leather-----15/18

- Leveling agent
- Reactive silicone
- Wetting agent
- Functional silicone agent

## Agriculture-----19/20

- Super spreader agent



# Textiles & Fabrics

- Intermediate Raw materials for textile softeners

Name	Purpose	Viscosity(25°C,mm2/s)	Molecular weight (g/mol)	VolatileMatter150°C*3h,%	H%(wt)
ES-7K	Usedtoproducefluffy,elasticblocksiliconeoil.	220--300	7000		
ES-9K	Usedtoproducesmooth,hydrophilicsiliconeoil.	310--410	9000		
ES-12K	Usedtoproducesoft,smoothblocksiliconeoil.	600-900	12000		
ES-16K	Usedtoproducesupersmooth,softblocksiliconeoil	1400-1800	16000		
ES-21K	Usedtoproducesupersmooth,soft,hydrophilicblocksiliconeoilforcotton	1600-2000	21000		

Name	Purpose	Viscosity(25°C,mm2/s)	Molecularweight(g/mol)	VolatileMatter150°C*3h,%	H%(wt)
ES-8K	Usedtoproducesmooth,hydrophilicsiliconeoil.	150--200	8000	≤4	
ES-10K	Usedtoproducesoft,smoothblocksiliconeoil.	220-270	10000	≤4	
ES-15K	Usedtoproducesupersmooth,softblocksiliconeoil	400-500	15000	≤4	
ES-20K	Usedtoproducesupersmooth,soft,hydrophilicblocksiliconeoilforcotton	600-800	20000	≤4	
ES-25K	Usedtoproducesupersmooth,soft,hydrophilicblocksiliconeoilforcotton	800-1000	25000	≤4	

Name	Purpose	Viscosity(25°C,mm2/s)	Molecularweight(g/mol)	VolatileMatter150°C*3h,%	H%(wt)
DHS-4K		50--70	4000		0.048-0.052
DHS-6K		150-170	6000		0.031-0.035
DHS-8K		180-220	8000		0.023-0.027
DHS-10K		200-280	10000		0.018-0.022
DHS-13K		400-500	13000		0.013-0.017
DHS-15K		500-600	15000		0.010-0.015
DHS-20K		800-1000	20000		0.008-0.012
DHS-25K		1000-1200	25000		0.007-0.009



# Textiles & Fabrics

## • Amino silicone oil & emulsion

Name	Appearance	Ionic	AminoValue	Viscosity	Solidcontent	Solubility	ContentofD4	ContentofD5	ContentofD6
SILIT-2084E	Milkyliquid	Weakcationic			40%	Water			
SILIT-2340	Milkyliquid	Weakcationic			40%	Water			
SILIT-2660	Colorlesstolightlyyellowtransparentliquid	Weakcationic			60%	Water			
SILIT-2160	Colorlesstolightlyyellowtransparentliquid	Weakcationic			60%	Water			
SILIT-2070C	Colorlesstolightlyyellowtransparentliquid	Weakcationic			60%	Water			

Name	Appearance	Ionic	AminoValue	Viscosity	Solidcontent	Solubility	ContentofD4	ContentofD5	ContentofD6
SILIT-2832	clearstolightlyturbidfluid	Weakcationic	Approx.0.3mmol/g	Approx.1000mpa.s					
SILIT-2803	clearstolightlyturbidfluid	Weakcationic	Approx.0.2mmol/g	3000-8000mpa.s					
SILIT-8201A	clearstolightlyturbidfluid	Weakcationic	Approx.0.05mmol/g	50000-100000mpa.s					
SILIT-2600	clearstolightlyturbidfluid	Weakcationic	Approx.0.6mmol/g	Approx.1000mpa.s					
SILIT-2840	clearstolightlyturbidfluid	Weakcationic	Approx.0.4mmol/g	Approx.4000mpa.s					
SILIT-1100	clearstolightlyturbidfluid	Weakcationic	Approx.0.15mmol/g	Approx.5000mpa.s					
SILIT-2300	clearstolightlyturbidfluid	Weakcationic	Approx.0.30mmol/g	Approx.1000mpa.s					

Name	Appearance	Ionic	AminoValue	Viscosity	Solidcontent	Solubility	ContentofD4	ContentofD5	ContentofD6
SILIT-0536LV	clearstolightlyturbidfluid	Weakcationic	Approx.0.2mmol/g	Approx.40mpa.s			<0.1%	<0.1%	<0.1%
SILIT-2600LV	clearstolightlyturbidfluid	Weakcationic	Approx.0.6mmol/g	Approx.1000mpa.s			<0.1%	<0.1%	<0.1%
SILIT-2840LV	clearstolightlyturbidfluid	Weakcationic	Approx.0.4mmol/g	Approx.4000mpa.s			<0.1%	<0.1%	<0.1%
SILIT-1100LV	clearstolightlyturbidfluid	Weakcationic	Approx.0.15mmol/g	Approx.5000mpa.s			<0.1%	<0.1%	<0.1%
SILIT-2300LV	clearstolightlyturbidfluid	Weakcationic	Approx.0.30mmol/g	Approx.1000mpa.s			<0.1%	<0.1%	<0.1%



Ø ZDHC



## Textiles & Fabrics

- **Block silicone oil & emulsion**

Name	Appearance	Ionic	Solid content	Ph
SILIT-238	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
SILIT-SRS	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
SILIT-3230	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
SILIT-3530	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
SILIT-3330	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
SILIT-3030F	Yellow transparent liquid	Weak cationic	Approx.30%	ph4-6
Name	Appearance	Ionic	Solid content	Ph
SILIT-3300	Yellow transparent liquid	Weak cationic	Approx.60%	ph4-6
SILIT-3200	Yellow transparent liquid	Weak cationic	Approx.60%	ph4-6
SILIT-3500	Yellow transparent liquid	Weak cationic	Approx.60%	ph4-6
SILIT-3000F	Yellow transparent liquid	Weak cationic	Approx.60%	ph4-6

## Textiles & Fabrics

- **Hydrophilic silicone oil & emu**

Product	Appearance	Ionic	Solid content	Ph
SILIT-8200N	Yellow transparent liquid	Weak cationic	Approx.80%	ph7-9
SILIT-8880N	Yellow transparent liquid	Weak cationic	Approx.80%	ph7-9
SILIT-8980	Yellow transparent liquid	Weak cationic	Approx.80%	ph7-9
SILIT-8799H	Yellow transparent liquid	Weak cationic	Approx.80%	ph7-9
SILIT-8799H	Yellow transparent liquid	Weak cationic	Approx.80%	ph7-9
SILIT-8500	Yellow transparent liquid	Weak cationic	Approx.85%	ph7-9

## Textiles & Fabrics

- **Special silicone emulsion**

Product	Appearance	Ionic	Solidcontent	Solubility
SILIT-3750	Milkyliquid	Lightcationic	Approx50%	Water
SILIT-PR-160	Milkyliquid	Noncationic	Approx60%	Water
SILIT-2638	Milkyliquid	Weakcationic	Approx45-50%	Water

## Personal Care

- Dimethicone



Name	Color and Appearance	Specific Gravity 25°C	Refractive Index 25°C	Viscosity	Flash Point	Ignition Point	Freezing Point	Surface Tension
SILIT-201-500000	Colorless transparent liquid	0.975	1.403	500000 cSt	>320°C	>400°C	(-)50°C	
SILIT-201-300000	Colorless transparent liquid	0.975	1.403	300000 cSt	>300°C	>400°C	(-)50°C	21.4mN/m
SILIT-201-60000	Colorless transparent liquid	0.975	1.403	60000 cSt	>300°C	>400°C	(-)50°C	
SILIT-201-12500	Colorless transparent liquid	0.975	1.403	12500 cSt	>320°C	>400°C	(-)50°C	
SILIT-201-5000	Colorless transparent liquid	0.975	1.403	5000 cSt	>320°C	>400°C	(-)50°C	
SILIT-201-1000	Colorless transparent liquid	0.97	1.403	1000 cSt	>320°C	>400°C	(-)50°C	
SILIT-201-500	Colorless transparent liquid	0.97	1.403	500cSt	>300°C	>400°C	(-)50°C	
SILIT-201-350	Colorless transparent liquid	0.97	1.403	350 cSt	>300°C	>400°C	(-)50°C	
SILIT-201-200	Colorless transparent liquid	0.97	1.403	200 cSt	>280°C	>400°C	(-)55°C	
SILIT-201-100	Colorless transparent liquid	0.959	1.402	100cSt	>280°C	>400°C	(-)55°C	

# Personal Care

- Phenyl Silicone



Name	Color and Appearance	Specific Gravity 25°C	Refractive Index 25°C	Freezing Point	Viscosity	Ultimate Vacuum	Saturated Vapor Pressure 25°C
SILIT-PF275	Colorless transparent liquid	1.090-1.100	1.576-1.579	(-)-14~18°C	165-185cSt	$\leq 6.65 \times 10^7$ pa	$\leq 6.65 \times 10^8$ pa
SILIT-PF255-800	Colorless transparent liquid	1.010-1.080	1.4800-1.5000		700-900cSt		
SILIT-PF255-400	Colorless transparent liquid	1.010-1.080	1.4800-1.5000		350-450cSt		
SILIT-PF255-75	Colorless transparent liquid	1.010-1.080	1.4800-1.5000		60-80cSt		
SILIT-PF250-400	Colorless transparent liquid	1.010-1.080	1.4700-1.4800		350-450cSt		
SILIT-PF250-150	Colorless transparent liquid	1.010-1.080	1.4700-1.4800		125-175cSt		
SILIT-PF250-30	Colorless transparent liquid	1.010-1.080	1.4700-1.4800		25-40cSt		
SILIT-PC0556B	Colorless transparent liquid	0.97-0.99	1.4549-1.4626		270-330cSt		
SILIT-PC-0556A	Colorless transparent liquid	0.97-0.99	1.4549-1.4626		80-120cSt		
SILIT-PC-0556	Colorless transparent liquid	0.97-0.99	1.4549-1.4626		15-30cSt		



## Personal Care

### • Volatile Silicone Fluid



Name	Color and Appearance	Specific Gravity 25°C	Refractive Index 25°C	Purity (%)	Viscosity
SILIT-PC0246	Colorless transparent liquid	0.950-0.960	1.3960-1.398		3-8cSt
SILIT-PC0244	Colorless transparent liquid	0.950-0.960	1.3960-1.398		3-8cSt
SILIT-PC0243	Colorless transparent liquid	0.950-0.960	1.3960-1.398		3-8cSt
SILIT-PC0245	Colorless transparent liquid	0.950-0.960	1.3960-1.398		3-5cSt
SILIT-PC201B-400	Colorless transparent liquid	0.800-0.900	1.4050-1.4250		400cSt
SILIT-PC201B-100	Colorless transparent liquid	0.800-0.900	1.4050-1.4250		100cSt
SILIT-PC201B-3.0	Colorless transparent liquid	0.800-0.900	1.3960-1.398		3-8cSt
SILIT-PC201B-1.5	Colorless transparent liquid	0.800-0.900	1.380-1.390		1.25-1.75cSt
SILIT-PC201-2	Colorless transparent liquid	0.850-0.880	1.387	Min99	2cSt
SILIT-PC201-1.5	Colorless transparent liquid	0.85	1.387	Min99	1.5cSt

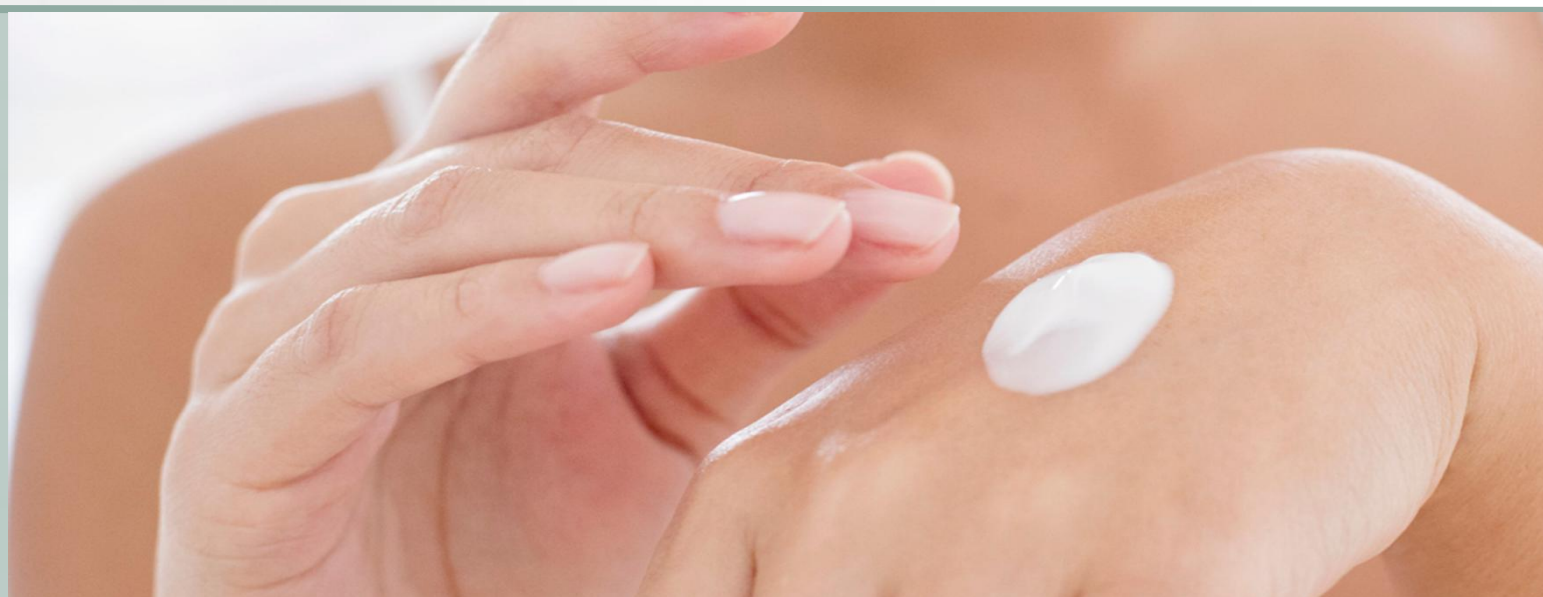
## Personal Care

### • Silicone Emulsion

Name	Color and Appearance	Emulsifier type	Silicone content	Ph	Specific gravity at 25°C
SILIT-PC8035	Translucent liquid	cationic	35%	7	0.95
SILIT-PC7137	White liquid	anionic	65%	6月8日	0.95
SILIT-PC1785	White liquid	anionic	60%	6月8日	0.95
SILIT-PC3730	White liquid	cationic	32-35%	6月8日	0.95

## Personal Care

### • Functional Silicone

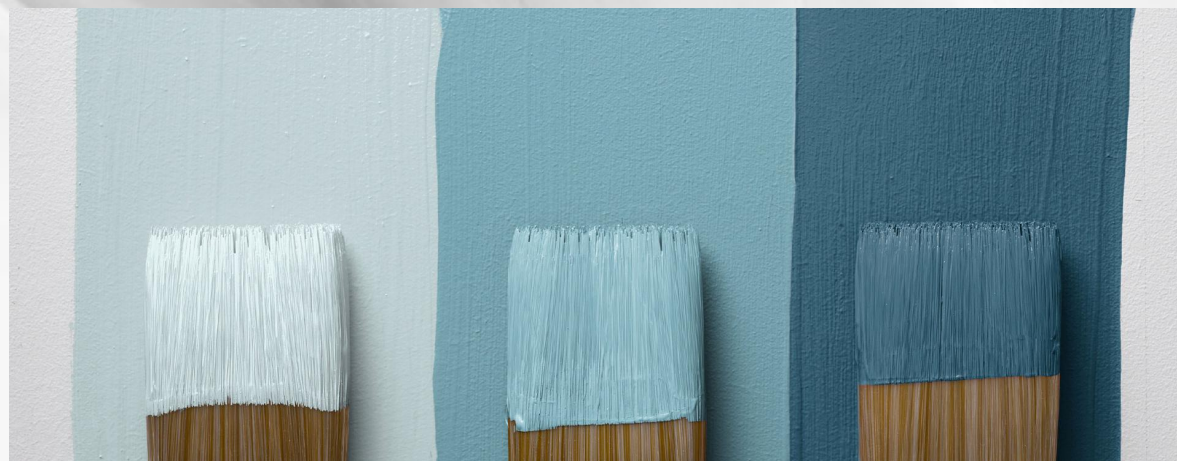


Name	Appearance	Ionic	Cloudpoint	AminoValue	Molecularweight	Non-volatilecontent	Viscosity(25°C)	Specificgravity(25°C)	Refractiveindex(25°C)
SILIT-PC1512	cleartransparentthickfluid					25-29%	15000-25000	0.930-0.960g/cm3	1.3960-1.4000
SILIT-PC1501	cleartransparentthickfluid					13-15%	4000-8000	0.930-0.960g/cm3	1.3960-1.4000
SILIT-PC1401	cleartransparentthickfluid					13-15%	4000-8000	0.930-0.960g/cm3	1.3960-1.4000
SILIT-PC0391	cleartransparentthickfluid	Nonionic	>85°C						
SILIT-PC0236	cleartransparentthickfluid	Weakcationic		Approx.0.04mmol/g	Approx.50000		4000-6000cst		
SILIT-PC0256	cleartransparentthickfluid	Weakcationic		Approx.0.4mmol/g	Approx.5000		100-150cst		
SILIT-PC0266	cleartransparentthickfluid	Weakcationic		Approx.0.08mmol/g	Approx.25000		900-1100cst		

# Coatings & Leather

- Leveling agent

Name	ColorandAppearance	SpecificGravity25°C	RefractiveIndex25°C	Viscosity	SurfaceTension
SILIT-SC2532	Yellowtransparentliquid	0.913	1.440-1.450	500000cSt	19.7mN/m
67674-67-3	Yellowtransparentliquid	0.913	1.440-1.450	800-4000cSt	19.7mN/m
SILIT-SC2068A	Yellowtransparentliquid	0.913	1.440-1.450	800-2000cSt	19.7mN/m
SILIT-SC2001	Yellowtransparentliquid	0.913	1.440-1.450	800-4000cSt	19.7mN/m
SILIT-SC2013	Yellowtransparentliquid	0.913	1.440-1.450	100-400cSt	19.7mN/m



- Reactive silicone



Name	ColorandAppearance	SpecificGravity25°C	RefractiveIndex25°C	Viscosity	SurfaceTension
SILIT-SC3680	Colorlesstransparentliquid	0.913	1.4100-1.4200	30-50cSt	19.7mN/m
SILIT-SC3267	Colorlesstransparentliquid	0.913	1.4100-1.4200	30-50cSt	19.7mN/m
SILIT-SC3168	Yellowtransparentliquid	0.913	1.4100-1.4200	100-150cSt	19.7mN/m
SILIT-SC3167	Yellowtransparentliquid	0.913	1.4100-1.4200	50-100cSt	19.7mN/m
SILIT-SC9565	Yellowtransparentliquid	0.913	1.440-1.450	800-2000cSt	19.7mN/m
SILIT-SC8427	Yellowtransparentliquid	0.913	1.440-1.450	800-2000cSt	19.7mN/m
SILIT-SC3667	Yellowtransparentliquid	0.913	1.440-1.450	800-2000cSt	19.7mN/m

# Coatings & Leather

## • Functional Silicone



Name	ColorandAppearance	SpecificGravity25°C	RefractiveIndex25°C	Viscosity	SurfaceTension
SILIT-SC3602	Yellowtransparentliquid	0.913	1.440-1.450	100-400cSt	19.7mN/m
SILIT-SC3601	Yellowtransparentliquid	0.913	1.440-1.450	50-100cSt	19.7mN/m

## • Functional Silicone

Name	ColorandAppearance	SpecificGravity25°C	RefractiveIndex25°C	Viscosity	Solidcontent
SILIT-SC3840	Transparenttoturbidliquid	0.98		<1000cSt	40%
SILIT-SC3640	Transparenttoturbidliquid	0.98		<1000cSt	40%
SILIT-SC3693	Transparenttoturbidliquid	0.98		<1000cSt	30%
SILIT-SC3698	Transparenttoturbidliquid	0.98		<10000cSt	65%
SILIT-SC3689	Transparenttoturbidliquid	0.98		<200000cSt	80%



# Agriculture

- Super spreader agent



Name	Color and Appearance	Specific Gravity 25°C	Refractive Index 25°C	Viscosity	Surface Tension
SILIT-SA2009	Yellow transparent liquid	0.913	1.440-1.450	20-50cSt	20.5mN/m
SILIT-SA2008	Yellow transparent liquid	0.913	1.440-1.450	20-50cSt	20.5mN/m

