SILFLUO
PRODUCT CATALOGUE

SILICONE RAW MATERIALS & ADDITIVES

- Silicone raw materials
- Silicone additives



Silanes · Silicone fluids · Crosslinkers · Oligomers · Catalysts

Nanjing Silfluo New Material Co., Ltd.

南京赛弗洛新材料有限公司

www.silfluosilicone.com

INTRODUCTION

Nanjing Silfluo New Material Co., Ltd. supplies silicone raw materials and additives: silanes, siloxanes, silazanes, silicone fluids and polymers, crosslinkers, silane oligomers and catalysts for adhesives and sealants, coatings, composites, rubber and plastics, electronics and silicone production.

This catalogue lists the grades by product group with chemical name, CAS number, main applications and structure. Technical data sheets, safety data sheets and samples are available on request; other grades and customized silanes can be discussed.





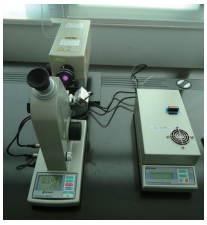
QUALITY CONTROL

Every production batch is tested with validated methods – gas chromatography, ion chromatography, Karl Fischer moisture, titration, density and refractive index – and a COA is issued with each delivery.









PACKAGING





Typical packs are 20–25 kg pails, 150–210 kg drums and 800–1,000 kg IBCs; samples in 0.1–1 kg bottles. The packaging of each grade is given in its TDS.

DOCUMENTS

TDS, SDS and COA are available for every grade on request.

CUSTOMIZED SILANES

Silfluo also makes silanes, siloxanes and silazanes to customer structure and specification. For many custom products we recommend 1 kg: every separate run costs about the same, so 100 g costs almost as much as 1 kg. Custom orders are paid in advance, because a custom product often cannot be sold to a second customer; if a product we have agreed to make does not meet the requirements when it leaves our laboratory, we refund promptly. These terms apply to custom products only; standard grades can be ordered in any quantity.

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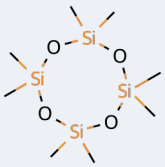
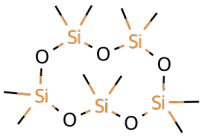
SILICONE RAW MATERIALS

Monomers, polymers and silicone fluids for the production of silanes, silicone fluids, rubbers and sealants.



MONOMERS

Chlorosilanes and cyclic siloxanes, the starting materials of silicone polymers.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-M1	**Methyltrichlorosilane**	75-79-6	Synthesis of silicone polymers	
LS-M2	**Dichlorodimethylsilane**	75-78-5	Synthesis of silicone polymers	
LS-M3	**Chlorotrimethylsilane**	75-77-4	Synthesis of silicone polymers	
LS-D4	**Octamethylcyclotetrasiloxane**	556-67-2	Synthesis of silicone polymers	
LS-D5	**Decamethylcyclopentasiloxane**	541-02-6	Synthesis of silicone polymers	

POLYMERS

Silanol- and alkoxy-terminated polydimethylsiloxanes, base polymers for RTV silicone sealants.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LF-OHP-L	**Hydroxyl-terminated polydimethylsiloxane**	70131-67-8	Silicone sealants	$HO[Si(CH_3)_2O]_nH$
LF-TM107	**Alkoxy-Terminated Polydimethylsiloxane**	68037-58-1	Alkoxy-cure silicone sealants	$(CH_3O)_3SiO[Si(CH_3)_2O]_nSi(OCH_3)_3$

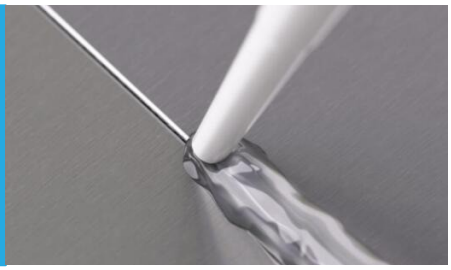
SILICONE FLUIDS

Vinyl, hydrogen, dimethyl, phenyl and fluoro silicone fluids; other viscosities on request.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LF-VPDMS	**Electronic-Grade Vinyl-Terminated Polydimethylsiloxane**	68083-19-2	Silicone rubber synthesis	$CH_2=CH[Si(CH_3)_2O]_nSi(CH_3)_2CH=CH_2$
LF-H101L	**Methyl Hydrogen Silicone Fluid (Copolymer)**	68037-59-2	Water repellents	$(CH_3)_3SiO[(CH_3)HSiO]_n[(CH_3)_2SiO]_mSi(CH_3)_3$
LF-H101H	**Methyl Hydrogen silicone fluid**	63148-57-2	Water repellents	$(CH_3)_3SiO[(CH_3)HSiO]_nSi(CH_3)_3$
LS-PDMS	**Polydimethylsiloxane**	63148-62-9	Cosmetic grades 0.65–50 cSt, food grades 100–1,000 cSt, industrial grades 50 cSt to 3 million cSt	$(CH_3)_3SiO[(CH_3)_2SiO]_nSi(CH_3)_3$
LF-PM11	**Phenylmethyl Silicone Oil**	63148-52-7	Viscosity 25–2,500 cSt	$–[Si(CH_3)(C_6H_5)O]_n–$
LF-PM12	**Diphenyl Dimethyl Polysiloxane**	68083-14-7	Viscosity 50–3,000 mPa·s	$–[Si(CH_3)_2O]_m[Si(C_6H_5)_2O]_n–$
LF-OHP2	**Silanol-Terminated Diphenylsiloxane**	63148-59-4	Viscosity ≥1,000 mPa·s	$HO[Si(C_6H_5)_2O]_nH$
LF-HF11	**Silanol-terminated fluorosilicone fluid**	68607-77-2	Viscosity 40–5,000 cSt	$HO[Si(CH_3)(C_2H_4CF_3)O]_nH$
LF-MF11	**Methyl-terminated fluorosilicone fluid**	63148-56-1	Viscosity 30–20,000 cSt	$(CH_3)_3SiO[Si(CH_3)(C_2H_4CF_3)O]_nSi(CH_3)_3$
LF-VF11	**Vinyl-Functional Fluorosilicone Fluid**	68951-98-4	Viscosity 50–50,000 cSt	$–[Si(CH_3)(C_2H_4CF_3)O]_n–$, vinyl-functional

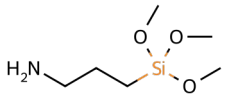
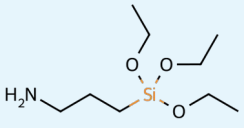
SILICONE ADDITIVES

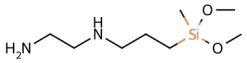
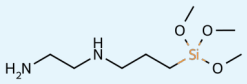
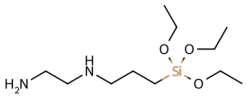
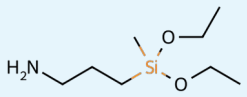
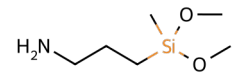
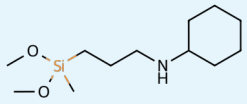
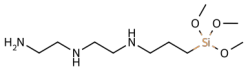
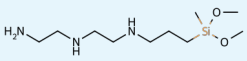
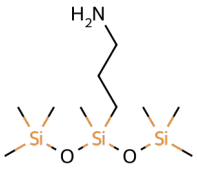
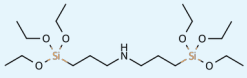
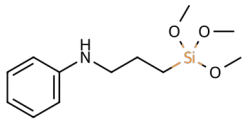
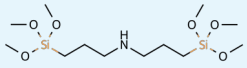
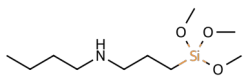
Silane coupling agents, crosslinkers, functional siloxanes, silane oligomers and catalysts.



AMINO SILANES

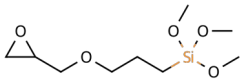
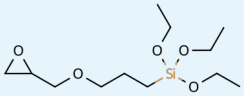
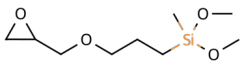
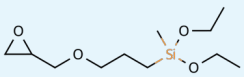
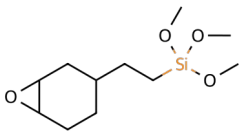
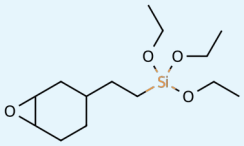
Coupling agents and adhesion promoters for glass fiber, fillers, foundry resins, adhesives and coatings.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-A111	**3-Aminopropyltrimethoxysilane**	13822-56-5	Glass fiber, foundry, fillers, adhesives, coatings	
LS-A110	**3-Aminopropyltriethoxysilane**	919-30-2	Glass fiber, fillers, adhesives, coatings, rubber, resins, plastics	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-A212	**N-(2-Aminoethyl)-3-aminopropylmethyldimethoxysilane**	3069-29-2	Resins, fillers, foundry, adhesives, coatings	
LS-A112	**N-(2-Aminoethyl-3-aminopropyl)trimethoxysilane**	1760-24-3	Glass fiber, fillers, adhesives, coatings, rubber, resins, plastics	
LS-A113	**N-(β-Aminoethyl)-γ-aminopropyltriethoxysilane**	5089-72-5	Resins, fillers, adhesives, coatings	
LS-A210	**3-Aminopropylmethyldiethoxysilane**	3179-76-8	Glass fiber, textiles, fillers, adhesives, coatings	
LS-A211	**3-Aminopropylmethyldimethoxysilane**	3663-44-3	Glass fiber, foundry, fillers, adhesives, coatings	
LS-AH121	**3-(N-Cyclohexylamino)propylmethyldimethoxysilane**	120218-28-2	Glass fiber, adhesives, coatings	
LS-AV31	**3-[2-(2-Aminoethylamino)ethylamino]propyl-trimethoxysilane**	35141-30-1	Glass fiber, foundry, resins, adhesives, coatings	
LS-AV121	**3-[2-(2-Aminoethylamino)ethylamino]propylmethyldimethoxysilane**	N/A	Glass fiber, foundry, resins, adhesives, coatings	
LS-2231	**3-Aminopropylbis(trimethylsiloxy)methyl silane**	42292-18-2	Glass fiber, foundry, resins, coatings	
LS-AD323	**Bis(triethoxysilylpropyl)amine**	13497-18-2	Glass fiber, fillers, resins, adhesives, coatings	
LS-AB31	**N-phenyl-3-aminopropyltrimethoxysilane**	3068-76-6	Foundry, fillers, resins, adhesives, coatings	
LS-AD31	**Bis(trimethoxysilylpropyl)amine**	82985-35-1	Glass fiber, fillers, adhesives, coatings, rubber, resins, plastics	
LS-A431	**(3-(Trimethoxysilyl)propyl)butylamine**	31024-56-3	Glass fiber, foundry, fillers, adhesives, coatings	

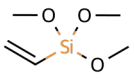
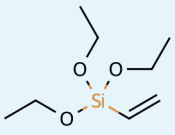
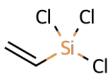
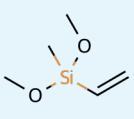
EPOXY SILANES

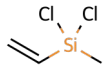
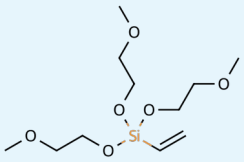
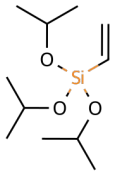
Coupling agents and adhesion promoters for epoxy, polyurethane and acrylic systems, glass fiber and fillers.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-E560	**γ-Glycidoxypropyltrimethoxysilane**	2530-83-8	Glass fiber, foundry, fillers, adhesives, coatings	
LS-E561	**3-Glycidoxypropyltriethoxysilane**	2602-34-8	Glass fiber, resins, fillers, coatings	
LS-E562	**3-Glycidoxypropylmethyldimethoxysilane**	65799-47-5	Glass fiber, resins, fillers, coatings	
LS-E563	**3-Glycidoxypropylmethyldiethoxysilane**	2897-60-1	Glass fiber, resins, fillers, coatings	
LS-EH231	**2-(3,4-Epoxycyclohexyl)ethyltrimethoxysilane**	3388-04-3	Glass fiber, resins, sealants, fillers, coatings	
LS-EH232	**2-(3,4-Epoxycyclohexyl)ethyltriethoxysilane**	10217-34-2	Glass fiber, resins, sealants, fillers, coatings	

VINYL SILANES

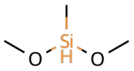
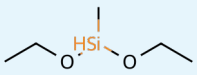
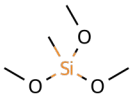
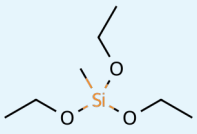
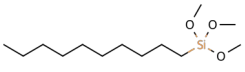
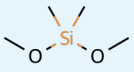
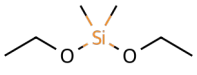
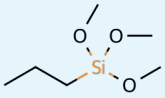
Grafted onto polyethylene with a peroxide, vinyl silanes give moisture-crosslinkable polymers for cables and pipes; they are also coupling agents and comonomers.

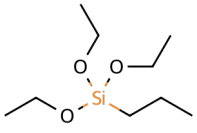
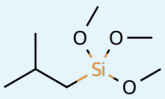
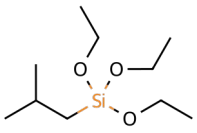
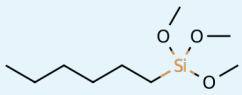
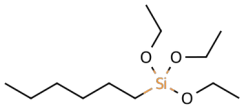
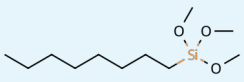
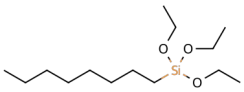
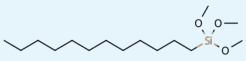
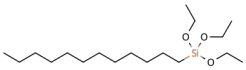
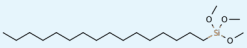
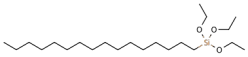
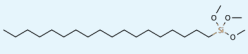
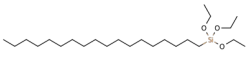
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-V31	**Vinyltrimethoxysilane (VTMO)**	2768-02-7	Cables, glass fiber, fillers, resins, adhesives, coatings	
LS-V32	**Vinyltriethoxysilane**	78-08-0	Cables, glass fiber, fillers, resins, adhesives, coatings	
LS-V38	**Vinyltrichlorosilane**	75-94-5	Glass fiber, resins, synthesis	
LS-M21	**Dimethoxymethylvinylsilane**	16753-62-1	Fillers, plastics, resins, rubber	

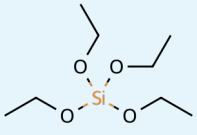
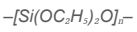
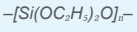
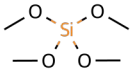
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-V128	**Methylvinyldichlorosilane**	124-70-9	Glass fiber, resins, synthesis	
LS-V312	**Vinyltris(2-methoxyethoxy)silane**	1067-53-4	Cables, glass fiber, fillers, resins, adhesives, coatings	
LS-VI33	**Vinyltriisopropoxysilane**	18023-33-1	Coatings	

ALKYL SILANES AND SILICATES

Crosslinkers, water repellents and filler treatments; silicates as binders for coatings, foundry and zinc-rich primers.

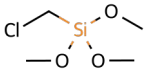
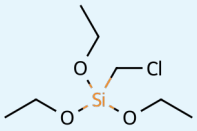
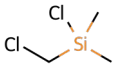
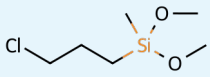
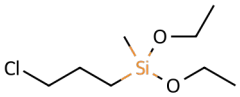
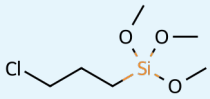
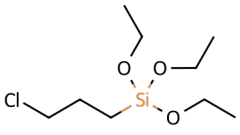
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-921	**Methyldimethoxysilane**	16881-77-9	Fillers, water repellents, resins, adhesives, coatings	
LS-922	**Methyldiethoxysilane**	2031-62-1	Fillers, water repellents, resins, adhesives, coatings	
LS-MTMS	**Methyltrimethoxysilane**	1185-55-3	Fillers, water repellents, resins, adhesives, coatings	
LS-MTES	**Methyltriethoxysilane**	2031-67-6	Fillers, water repellents, resins, adhesives, coatings	
LS-9031	**N-Decyltrimethoxysilane**	5575-48-4	Fillers, glass, heritage conservation	
LS-9221	**Dimethyldimethoxysilane**	1112-39-6	Fillers, water repellents, resins, adhesives, coatings	
LS-9222	**Dimethyldiethoxysilane**	78-62-6	Fillers, water repellents, resins, adhesives, coatings	
LS-PTMS	**N-Propyltrimethoxysilane**	1067-25-0	Fillers, water repellents, resins, adhesives, coatings	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-PTES	N-Propyltriethoxysilane	2550-02-9	Fillers, water repellents, resins, adhesives, coatings	
LS-9431	Iso-Butyltrimethoxysilane	18395-30-7	Fillers, water repellents, resins, adhesives, coatings	
LS-9432	Iso-Butyltriethoxysilane	17980-47-1	Fillers, water repellents, resins, adhesives, coatings	
LS-9631	N-Hexyltrimethoxysilane	3069-19-0	Fillers, water repellents, resins, adhesives, coatings	
LS-9632	N-Hexyltriethoxysilane	18166-37-5	Fillers, water repellents, resins, adhesives, coatings	
LS-L310	N-Octyltrimethoxysilane	3069-40-7	Fillers, water repellents, resins, adhesives, coatings	
LS-L320	N-Octyltriethoxysilane	2943-75-1	Fillers, water repellents, resins, coatings	
LS-L1231	N-Dodecyltrimethoxysilane	3069-21-4	Fillers, water repellents, resins	
LS-L1232	N-Dodecyltriethoxysilane	18536-91-9	Fillers, water repellents, resins	
LS-L1631	Hexadecyltrimethoxysilane	16415-12-6	Fillers, water repellents, resins	
LS-91632	Hexadecyltriethoxysilane	16415-13-7	Fillers, water repellents, resins	
LS-L1831	Octadecyltrimethoxysilane	3069-42-9	Fillers, water repellents, resins	
LS-91832	Octadecyltriethoxysilane	7399-00-0	Fillers, water repellents, resins	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-TEOS28	**Tetraethoxysilane / Tetraethyl Orthosilicate**	78-10-4	Fillers, foundry, rubber, resins, adhesives, coatings, aerosols	
LS-ES32	**Ethyl Silicate 32**	11099-06-2	Fillers, foundry, rubber, resins, adhesives, coatings	
LS-MS40	**Ethyl Silicate 40**	11099-06-2	Fillers, foundry, rubber, adhesives, coatings	
LS-TMOS	**Tetramethoxysilane**	681-84-5	Fillers, foundry, rubber, resins, adhesives, coatings, aerosols	

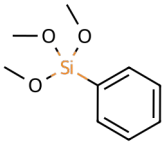
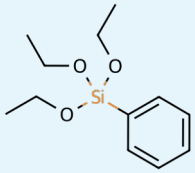
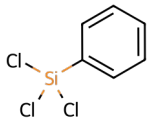
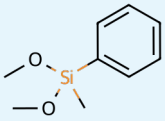
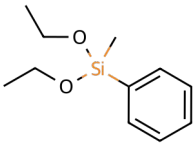
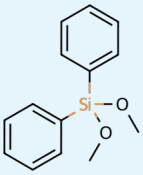
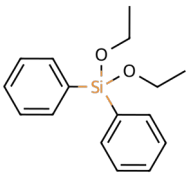
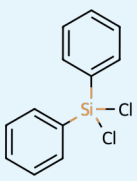
CHLOROALKYL SILANES

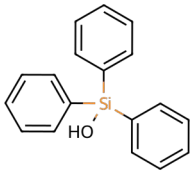
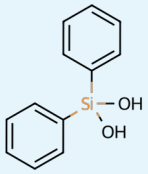
Intermediates for functional silanes and modified silicones.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-831	**Chloromethyltrimethoxysilane**	5926-26-1	Synthesis, printing	
LS-832	**Chloromethyltriethoxysilane**	15267-95-5	Synthesis, printing	
LS-8218	**Chloro(chloromethyl)dimethylsilane**	1719-57-9	Synthesis	
LS-8321	**Chloropropylmethyldimethoxysilane**	18171-19-2	Plastics, rubber, textiles, printing, daily chemicals	
LS-8322	**3-Chloropropylmethyldiethoxysilane**	13501-76-3	Plastics, rubber, textiles, printing, daily chemicals	
LS-8331	**3-Chloropropyltrimethoxysilane**	2530-87-2	Synthesis, rubber, surfactants	
LS-8332	**3-Chloropropyltriethoxysilane**	5089-70-3	Synthesis, rubber, surfactants	

PHENYL SILANES

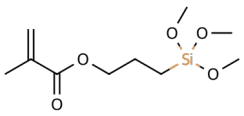
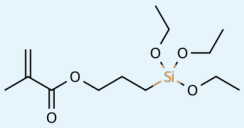
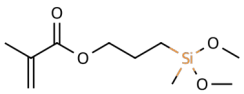
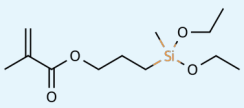
Monomers for phenyl silicone resins, rubbers and fluids.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-M11	**Phenyltrimethoxysilane**	2996-92-1	Resins, sealants	
LS-E11	**Phenyltriethoxysilane**	780-69-8	Resins, sealants	
LS-P38	**Phenyltrichlorosilane**	98-13-5	Synthesis	
LS-M13	**Dimethoxymethylphenylsilane**	3027-21-2	Silicone rubber, silicone resins, silicone fluids	
LS-P122	**Methylphenyldiethoxysilane**	775-56-4	Silicone rubber, silicone resins, silicone fluids	
LS-M12	**Diphenyldimethoxysilane**	6843-66-9	Resins, silicone fluids	
LS-E12	**Diphenyldiethoxysilane**	2553-19-7	Resins, silicone fluids	
LS-PD28	**Diphenyldichlorosilane**	80-10-4	Silicone rubber, silicone resins, silicone fluids	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-H13	**Hydroxytriphenylsilane**	791-31-1	Intermediate for silicone and pharmaceutical synthesis	
LS-H12	**Dihydroxydiphenylsilane**	947-42-2	Silicone rubber, silicone resins	

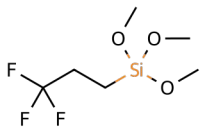
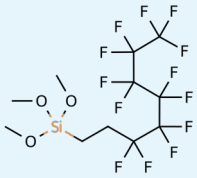
METHACRYLOXY SILANES

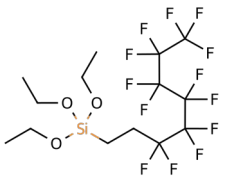
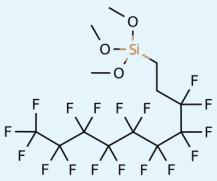
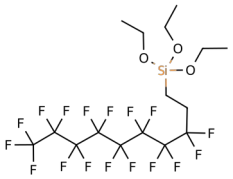
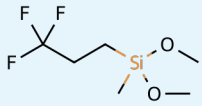
Coupling agents for unsaturated polyester and acrylic resins, glass fiber composites and fillers.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-M31	**3-Methacryloxypropyltrimethoxysilane**	2530-85-0	Glass fiber, resins, fillers, adhesives, coatings	
LS-M32	**3-Methacryloxypropyltriethoxysilane**	21142-29-0	Glass fiber, resins, fillers, adhesives, coatings	
LS-ME121	**3-Methacryloxypropylmethyldimethoxysilane**	14513-34-9	Glass fiber, resins, fillers, adhesives	
LS-M122	**3-Methacryloxypropylmethyldiethoxysilane**	65100-04-1	Glass fiber, resins, fillers, adhesives	

FLUORO SILANES

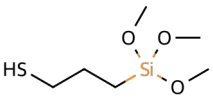
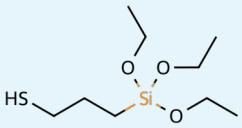
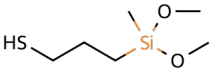
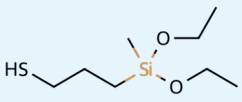
Low-surface-energy silanes for anti-reflective, release and soil-repellent coatings and fluorosilicone polymers.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-M53	**(3,3,3-Trifluoropropyl)trimethoxysilane**	429-60-7	Fluorosilicone rubber and resins	
LS-M513	**1H,1H,2H,2H-Perfluorooctyltrimethoxysilane**	85857-16-5	Anti-reflective, release and soil-repellent coatings	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-E513	**1H,1H,2H,2H-Perfluorooctyltriethoxysilane**	51851-37-7	Anti-reflective, release and soil-repellent coatings	
LS-M517	**1H,1H,2H,2H-Perfluorodecyltrimethoxysilane**	83048-65-1	Anti-reflective, release and soil-repellent coatings	
LS-E517	**1H,1H,2H,2H-Perfluorodecyltriethoxysilane**	101947-16-4	Anti-reflective, release and soil-repellent coatings	
LS-M531	**3,3,3-Trifluoropropylmethyldimethoxysilane**	358-67-8	Fluorosilicone rubber and resins	

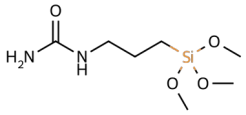
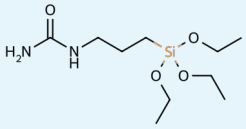
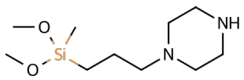
MERCAPTO SILANES

Coupling agents for rubber, plastics, glass fiber and coatings.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-S31	**3-Mercaptopropyltrimethoxysilane**	4420-74-0	Rubber, plastics, glass fiber, coatings	
LS-S32	**3-Mercaptopropyltriethoxysilane**	14814-09-6	Rubber, plastics, glass fiber, coatings	
LS-S121	**γ-Mercaptopropylmethyldimethoxysilane**	31001-77-1	Rubber, plastics, glass fiber, coatings	
LS-S122	**3-Mercaptopropylmethyldiethoxysilane**	13818-38-7	Rubber, Plastics, Glass fiber, Coatings	

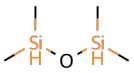
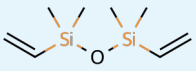
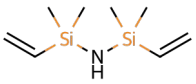
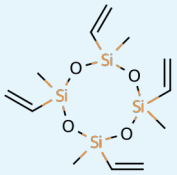
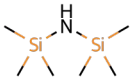
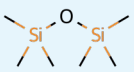
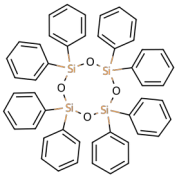
UREIDO AND PIPERAZINYL SILANES

Adhesion promoters for resins and adhesives; a piperazinyl silane for modified silicone fluids and emulsions.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-731	**γ-Ureidopropyltrimethoxysilane**	23843-64-3	Resins, adhesives, surface treatment	
LS-732	**γ-Ureidopropyltriethoxysilane, solution in methanol**	23779-32-0	Resins, adhesives, surface treatment	
LS-6121	**γ-Piperazinylpropylmethyldimethoxysilane**	128996-12-3	Piperazinyl-modified silicone fluids and emulsions	

SILOXANES AND SILAZANES

End-blockers, silylating agents, inhibitors and intermediates for silicone production.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-612	**Tetramethyldisiloxane**	3277-26-7	Si–H end-blocker for hydride silicone fluids; intermediate	
LS-622	**Divinyltetramethyldisiloxane**	2627-95-4	Vinyl end-blocker, inhibitor for addition-cure silicones, ligand for platinum catalysts	
LS-623	**1,3-Divinyltetramethyldisilazane**	7691-02-3	Vinyl end-capper for LSR and HTV; silica treatment	
LS-624	**2,4,6,8-Tetravinyl-2,4,6,8-tetramethylcyclotetrasiloxane**	2554-06-5	Addition-cure RTV silicones (inhibitor, vinyl monomer)	
LS-611	**Hexamethyldisilazane (HMDS)**	999-97-3	Silylating agent; treatment of silica and silicone rubber; intermediate	
LS-610	**Hexamethyldisiloxane**	107-46-0	End-blocker for silicone fluids; solvent and intermediate	
LS-618	**Octaphenylcyclotetrasiloxane**	546-56-5	Monomer for phenyl silicone fluids and rubber; flame-retardant synergist	

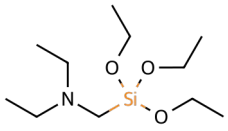
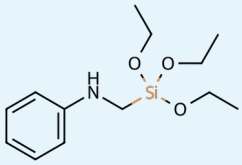
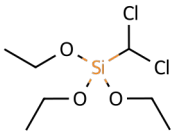
PHARMACEUTICAL INTERMEDIATES

Silylating reagents for organic and pharmaceutical synthesis.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-TMSBR	**Bromotrimethylsilane**	2857-97-8	Pharmaceutical intermediates	
LS-TMSI	**Iodotrimethylsilane**	16029-98-4	Pharmaceutical intermediates	

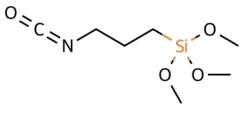
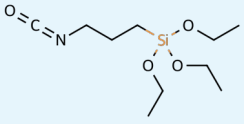
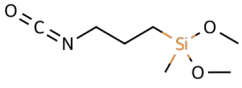
ALPHA SILANES

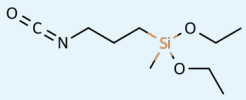
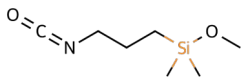
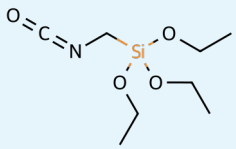
Fast-reacting alpha silanes for silicone rubber and alkoxy-cure sealants.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-ND22	**(Diethylaminomethyl)triethoxysilane**	15180-47-9	Silicone rubber, alkoxy-cure sealants	
LS-ND42	**(N-Phenylamino)methyltriethoxysilane**	3473-76-5	Silicone rubber, alkoxy-cure sealants	
LS-ND43	**Dichloromethyltriethoxysilane**	19369-03-0	Silicone rubber, alkoxy-cure sealants	

ISOCYANATO SILANES

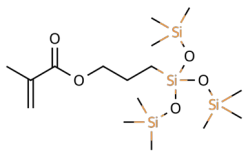
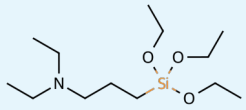
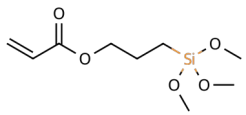
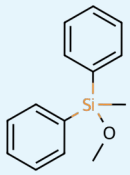
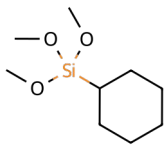
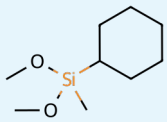
End-cappers for silane-terminated polymers (MS polymers, SPUR) and adhesion promoters.

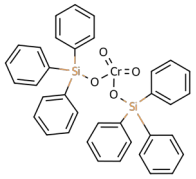
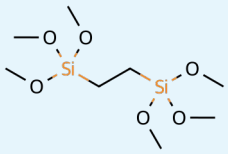
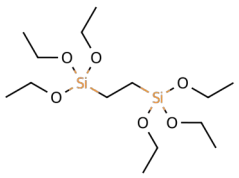
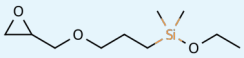
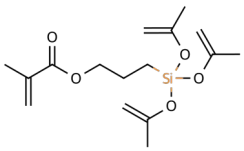
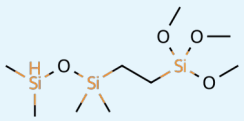
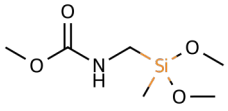
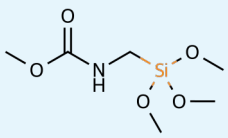
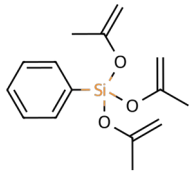
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-M41	**γ-Isocyanatopropyltrimethoxysilane**	15396-00-6	MS resins, MS polymers	
LS-E41	**γ-Isocyanatopropyltriethoxysilane**	24801-88-5	MS resins, MS polymers	
LS-M42	**(3-Isocyanatopropyl)methyldimethoxysilane**	26115-72-0	MS resins, MS polymers	

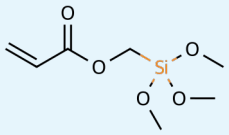
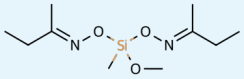
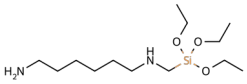
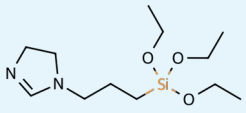
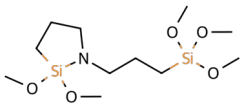
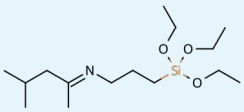
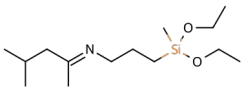
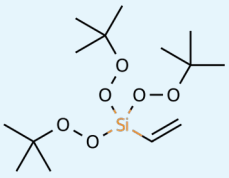
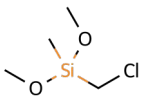
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-E42	**(3-Isocyanatopropyl)methyldiethoxysilane**	33491-28-0	MS resins, MS polymers	
LS-AL211	**3-Isocyanatopropyldimethylmethoxysilane**	21116-75-6	MS resins, MS polymers	
LS-AL132	**α-Isocyanatomethyltriethoxysilane**	132112-76-6	MS resins, MS polymers	

SPECIALITIES AND CUSTOMIZED SILANES

Specialty silanes, also made to customer specification.

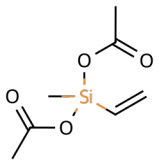
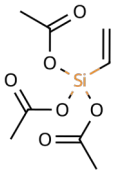
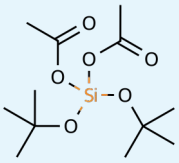
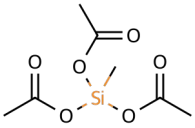
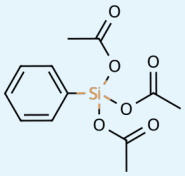
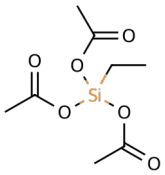
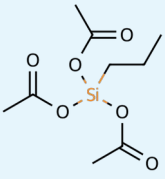
CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-OP594	**3-[Tris(trimethylsiloxy)silyl]propyl methacrylate**	17096-07-0	Adhesives, coatings, rubber, resins	
LS-2232	**N, N-Diethyl-3-aminopropyltriethoxysilane**	10049-42-0	Rubber, resins	
LS-M304	**Acryloxypropyltrimethoxysilane**	4369-14-6	Adhesives, coatings	
LS-M121	**Methyldiphenylmethoxysilane**	18407-48-2	Coatings, adhesives	
LS-CHTS	**Cyclohexyltrimethoxysilane**	17865-54-2	External donor for polypropylene catalysts	
LS-CMMS	**Cyclohexylmethyldimethoxysilane**	17865-32-6	External donor for polypropylene catalysts	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-PTCR	**Bis(triphenylsilyl)chromate**	1624-02-8	Precursor for polyethylene catalysts	
LS-O9832	**Oligomeric n-octyltriethoxysilane hydrolysate**	N/A	Water repellents	
LS-O9831	**Oligomeric n-octyltrimethoxysilane hydrolysate**	N/A	Water repellents	
LS-D312	**1,2-Bis(trimethoxysilyl)ethane**	18406-41-2	Fillers, foundry, resins, adhesives, coatings	
LS-D322	**1,2-Bis(triethoxysilyl)ethane**	16068-37-4	Fillers, foundry, adhesives, coatings	
LS-GLYDME	**(Glycidyloxy)propyldimethylethoxysilane**	17963-04-1	Surface treatment, fillers, epoxy resins	
LS-MTIS	**Methacryloxypropyltri(isopropenyloxy) silane**	78051-94-2	UV/moisture dual-cure coatings, adhesives, RTV silicones	
LS-94322	**1,1,3,3-Tetramethyl-1-[2'-(Trimethoxysilyl)Ethyl]-Disiloxane**	137407-65-9	Chemical intermediate	
LS-AM121	**[(Methylcarbamato)methyl]dimethoxy methylsilane**	23432-65-7	Water scavenger	
LS-AM31	**(Methoxycarbonylaminomethyl)trimethoxysilane**	23432-64-6	Water scavenger	
LS-PHIPS	**Phenyltriisopropenoxysilane**	52301-18-5	Crosslinker for RTV silicone rubber	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-MA131	**Acryloyloxymethyltrimethoxysilane**	21134-38-3	UV/EB coatings, cable compounds, composites	
LS-OP121	**Oligomeric Methylphenyldimethoxysilane hydrolysate**	N/A	Silicone rubber, silicone resins, silicone fluids	
LS-MMOS	**Methylmethoxybis(methyl ethyl ketoximino)silane**	N/A	Crosslinker for neutral RTV silicones	
LS-AH13	**(6-Aminohexyl)aminomethyltriethoxysilane**	15129-36-9	Glass fiber, adhesives, coatings	
LS-AS32	**[3-(triethoxysilyl)propyl]-4,5-dihydroimidazole**	58068-97-6	Epoxy adhesives, RTV sealants, metal primers	
LS-AS213	**2,2-Dimethoxy-1-[3-(trimethoxysilyl)propyl]-1-aza-2-silacyclopentane**	109084-60-8	End-capper and adhesion promoter for RTV silicones, MS and PU sealants	
LS-AS332	**(1,3-dimethylbutylidene)aminopropyltriethoxysilane**	116229-43-7	Latent adhesion promoter for 1K PU and epoxy systems	
LS-AS312	**(1,3-dimethylbutylidene)aminopropylmethyldiethoxysilane**	N/A	Latent adhesion promoter for 1K PU and epoxy systems	
LS-VTPS	**Vinyltris(tert-butylperoxy)silane**	15188-09-7	Bonding of peroxide-cured rubber to metal; crosslinker	
LS-8121	**Chloromethyl(methyl)dimethoxysilane**	2212-11-5	Intermediate for alpha silanes	

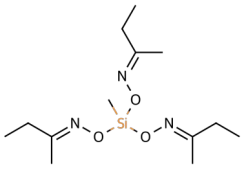
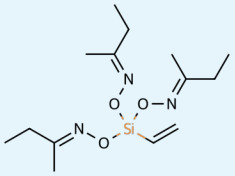
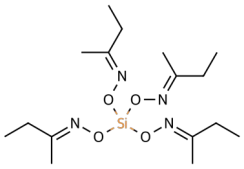
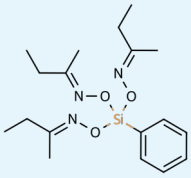
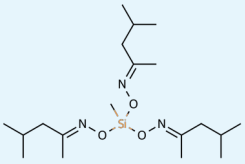
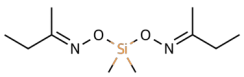
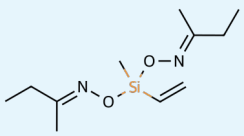
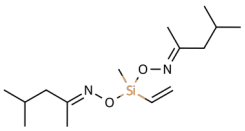
CROSSLINKERS – ACETOXY TYPE

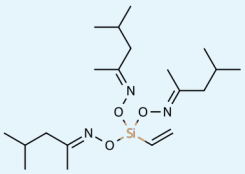
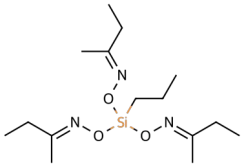
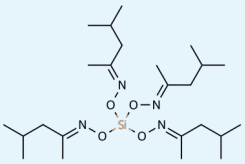
Acetoxy silanes for acetic-cure RTV silicone sealants.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-AT122	**Methylvinyldiacetoxysilane**	2944-70-9	Acetic-cure RTV silicone rubber	
LS-AT121	**Modified methyltriacetoxysilane**	N/A	Acetic-cure RTV silicone rubber	
LS-AT202	**Vinyltriacetoxysilane**	4130-08-9	Acetic-cure RTV silicone rubber	
LS-AT024	**Di-tert-butoxydiacetoxysilane**	13170-23-5	Acetic-cure RTV silicone rubber	
LS-AT102	**Methyltriacetoxysilane**	4253-34-3	Acetic-cure RTV silicone rubber	
LS-AT602	**Phenyltriacetoxysilane**	18042-54-1	Acetic-cure RTV silicone rubber	
LS-AT402	**Ethyltriacetoxysilane**	17689-77-9	Acetic-cure RTV silicone rubber	
LS-AT302	**Propyltriacetoxysilane**	17865-07-5	Acetic-cure RTV silicone rubber	

CROSSLINKERS – OXIME TYPE

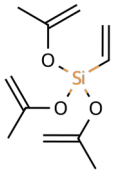
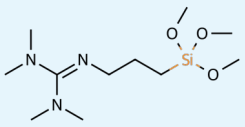
Ketoxime silanes for neutral oxime-cure RTV silicone sealants.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-MOS	**Methyltris(methylethylketoxime)silane**	22984-54-9	Oxime-cure RTV silicone rubber	
LS-VOS	**Vinyltris(methylethylketoxime)silane**	2224-33-1	Oxime-cure RTV silicone rubber	
LS-TOS	**Tetra(methylethylketoxime)silane**	34206-40-1	Oxime-cure RTV silicone rubber	
LS-POS	**Phenyltris(methylethylketoxime)silane**	34036-80-1	Oxime-cure RTV silicone rubber	
LS-TOS-MOS-VOS	**Mixture of tetra(methylethylketoxime)silane with methyltris(methylethylketoxime)silane or vinyltris(methylethylketoxime)silane**	Mixture	Oxime-cure RTV silicone rubber	
LS-KT106	**Methyltris(methylisobutylketoxime)silane**	37859-57-7	Oxime-cure RTV silicone rubber	
LS-KT114	**Dimethylbis(methylethylketoxime)silane**	37843-26-8	Oxime-cure RTV silicone rubber	
LS-MVOS	**Vinylmethylbis(methylethylketoximino)silane**	72721-10-9	Oxime-cure RTV silicone rubber	
LS-KT126	**Methylvinylbis(methylisobutylketoxime)silane**	156145-66-3	Oxime-cure RTV silicone rubber	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-KT206	**Vinyltris(methylisobutylketoxime)silane**	156145-64-1	Oxime-cure RTV silicone rubber	
LS-KT304	**Propyltris(methylethylketoxime)silane**	N/A	Oxime-cure RTV silicone rubber	
LS-KT006	**Tetra(methylisobutylketoxime)silane**	156145-62-9	Oxime-cure RTV silicone rubber	

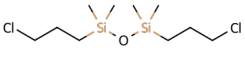
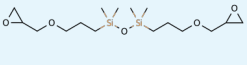
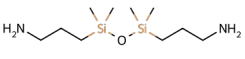
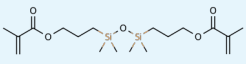
CROSSLINKERS – ACETONE TYPE

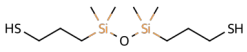
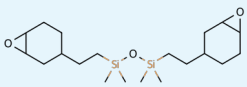
Enoxy crosslinker and guanidine silane catalyst for neutral acetone-cure RTV silicones.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-VIPS	**Vinyltriisopropenoxysilane**	15332-99-7	Crosslinker for acetone-cure RTV silicones	
LS-GCF	**1,1,3,3-Tetramethyl-2-(3-trimethoxysilylpropyl)guanidine**	69709-01-9	Curing catalyst for acetone-cure RTV silicones	

FUNCTIONAL DISILOXANES

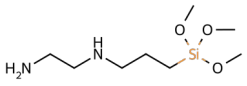
Functional disiloxane end-blockers for modified silicone fluids and polymers.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-O832	**1,3-Bis(3-chloropropyl)tetramethyldisiloxane**	18132-72-4	Intermediate for modified silicone fluids	
LS-613	**1,3-Bis(3-glycidoxypropyl)-1,1,3,3-tetramethyldisiloxane**	126-80-7	Epoxy end-blocker for modified silicones	
LS-OA22	**1,3-Bis(3-aminopropyl)-1,1,3,3-tetramethyldisiloxane**	2469-55-8	Amino end-blocker for modified silicones and polyimides	
LS-OM22	**1,3-Bis(3-methacryloxypropyl)tetramethyldisiloxane**	18547-93-8	Methacrylic end-blocker for modified silicones	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-OS22	**1,3-Bis(3-mercaptopropyl)-1,1,3,3-tetramethyldisiloxane**	18001-52-0	Mercapto end-blocker for modified silicones	
LS-OE42	**1,3-Bis[2-(3,4-epoxycyclohexyl)ethyl]-1,1,3,3-tetramethyldisiloxane**	18724-32-8	Epoxy end-blocker for modified silicones	

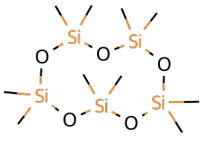
SILANE OLIGOMERS

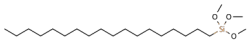
Pre-condensed silanes with low VOC for adhesion promotion, crosslinking and water repellency.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-O110	**Amino Silane Oligomer**	N/A	Coatings, glass fiber, adhesives, sealants	
LS-O146	**Aqueous diaminofunctional silane hydrolysate**	N/A	Coatings, adhesives, sealants	
LS-A112T	**(2-Aminoethyl)-3-aminopropyltrimethoxysilane (Technical Grade)**	1760-24-3	Coatings, adhesives, sealants	
LS-O2627	**Water-based amino silane oligomer**	N/A	Coatings, adhesives, sealants	
LS-OP200	**Epoxy-functional siloxane oligomer**	N/A	Coatings, adhesives, sealants	
LS-O6296	**Multifunctional silane copolymer**	N/A	Adhesion of addition-cure liquid silicone rubber to metal, glass, PC, PA, PE and PP	
LS-O7270	**Oligomeric Methacryloyloxy Silane**	N/A	Adhesion of POE and EVA encapsulant films; metal surface treatment	
LS-O8260	**Oligomeric Epoxy Silane**	N/A	Inorganic surface treatment, glass fiber reinforcement, glass and metal primers, waterborne polymer additive	
LS-OS12	**Oligomeric mercapto silane**	N/A	Tires, shoe materials, seals	

SILICONES FOR COSMETICS

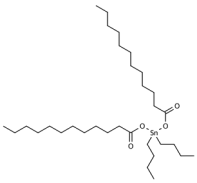
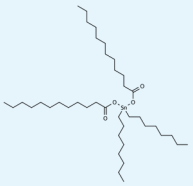
Volatile and non-volatile silicones and a wax-like silane for personal care.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-D5	**Decamethylcyclopentasiloxane**	541-02-6	Cosmetics and personal care; compatible with most alcohols and cosmetic solvents	

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-PDMS	**Polydimethylsiloxane**	63148-62-9	Grades below 20 cSt reduce greasiness and help spreading in lotions, creams, shaving foams, foundation and hair care	$(CH_3)_3SiO[(CH_3)_2SiO]_nSi(CH_3)_3$
LS-L1831	**Octadecyltrimethoxysilane**	3069-42-9	Wax-like, low-melting silane that leaves a smooth, soft film in creams, lipsticks and hair care	

CATALYSTS

Tin, titanium and platinum catalysts for condensation- and addition-cure silicones and polyurethanes.

CODE	CHEMICAL NAME	CAS NO.	APPLICATION	STRUCTURE
LS-DBTDL	**Dibutyltin dilaurate (DBTDL)**	77-58-7	Multi-purpose catalyst, especially for polyurethane crosslinking and silanol condensation	
LS-DOTDL	**Dioctyltin dilaurate (DOTDL)**	3648-18-8	PVC heat stabilizer for food packaging; lubricant for rigid transparent packaging; catalyst for medical silicone rubber	
LS-TIC	**Titanium Chelates Complexes**	N/A	Cure accelerator for alkoxy-cure RTV; printing inks, paints and coatings	
PT622	**Platinum(0)-1,3-divinyl-1,1,3,3-tetramethyldisiloxane**	68478-92-2	Catalyst for addition-cure silicone rubber	

N/A: mixture, oligomer or polymer without a single CAS number.

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