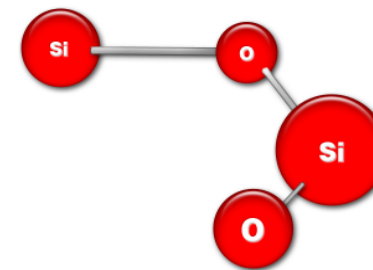


# Flexichem Pty Ltd

ABN 31 050 020 169



## INTRODUCTION

*Flexichem* manufactures a broad range of silicone fluids, emulsions, antifoams, greases, dispersions, lubricants, coatings, and industrial additives. Most industries are covered, including Textiles, Pulp & Paper, Paint, Rubber, Printing, Chemical Manufacturing, Plastics, Cosmetics, and Electronics.

Apart from our standard product range we also develop and manufacture products to solve individual customer problems and needs.

### **Fluids** ..... **Page 2,3**

A full range of polydimethyl siloxanes (silicone fluids) from 50cps through to 100,000cps, and beyond (by request). We also manufacture a range of functional siloxanes such as Amino, Epoxy, and Mercapto, and solvent solutions of any base fluid.

### **Emulsions** ..... **Page 4,5**

A large range of macro and micro emulsions based on polydimethyl siloxanes, and functional Fluids such as amino, utilising, non-ionic, anionic, and cationic surfactant technology

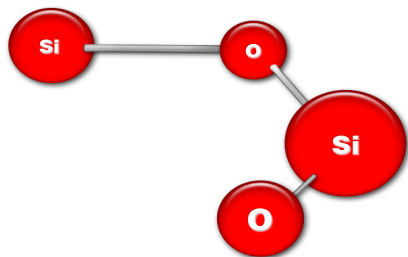
### **Antifoams** ..... **Page 6**

A broad range of aqueous and non-aqueous silicone antifoams, to suit most applications, including food contact, wood pulp and waste water applications.

### **Specialties, and Cosmetics** ..... **Page 7**

Greases and Lubricants, Coatings, Silicone Surfactants, Dispersions, and Additives.

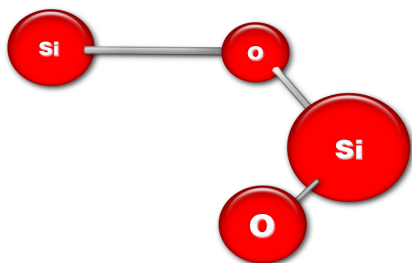
### **Silanes** ..... **Page 8**



## *Flexichem Pty Limited*

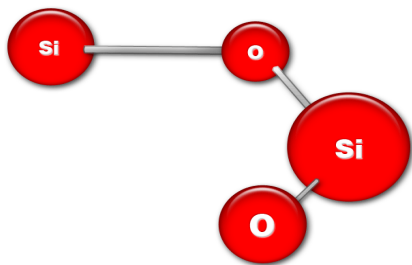
### SILICONE FLUIDS

PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CF 50	Dimethyl Fluid	Polydimethyl siloxane, methyl stopped.	Very low viscosity lubricating fluid
CF 50T	Dimethyl Fluid	Dimethyl fluid specially controlled	Transformer Fluid
CF 100	Dimethyl Fluid	Polydimethyl siloxane, 100 cS.	Low viscosity lubricating fluid, used in Polishes
CF 200	Dimethyl Fluid	Polydimethyl siloxane, 200 cS.	General purpose lubricating fluid, release fluid, used in Polishes
CF 350	Dimethyl Fluid	Polydimethyl siloxane, 350 cS.	General purpose lubricating fluid, release fluid, used in Polishes
CF 350F	Dimethyl Fluid	Food grade 350 cS	Food grade applications
CF 500	Dimethyl Fluid	Polydimethyl siloxane, 500 cS.	Release fluid, and for polish applications.
CF 500F	Dimethyl Fluid	Food grade 500 cS.	Food grade applications
CF 1000	Dimethyl Fluid	Polydimethyl siloxane, 1000 cS.	Release fluid and low viscosity non aqueous antifoam
CF 1000F	Dimethyl Fluid	Food grade 1000 cS.	Food grade applications
CF 10K	Dimethyl Fluid	Polydimethyl siloxane, 10,000 cS.	High viscosity release fluid, and non aqueous antifoam
CF 12.5K	Dimethyl Fluid	Polydimethyl siloxane, 12,500 cS.	High viscosity release fluid, and non aqueous antifoam
CF 12.5LV	Dimethyl Fluid	Low volatile 12,500 cS	Photocopier fluid
CF 30K	Dimethyl Fluid	Polydimethyl siloxane, 30,000 cS	Very high viscosity release fluid, and non aqueous antifoam
CF 60K	Dimethyl Fluid	Polydimethyl siloxane, 60,000 cS.	VH viscosity release fluid, 2 in 1 shampoos & conditioners antifoams
CF 100K	Dimethyl Fluid	Polydimethyl siloxane, 100,000 cS.	VH viscosity release fluid, 2 in 1 shampoos & conditioners antifoams



**SILICONE FLUIDS**

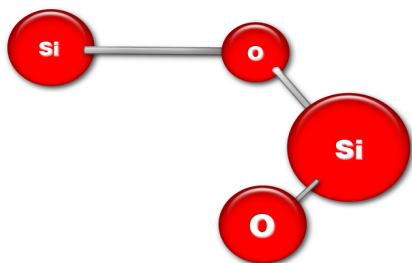
PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CP 100	Dimethyl Polymer	Silanol rective polymer 100 cS	Rubber, polymer and sealant manufacture
CP 3K	Dimethyl Polymer	Silanol reactive polymer 3000 cS	Sealant manufacture
CP 30K	Dimethyl Polymer	Silanol reactive polymer 30,000 cS	Textile softener, 2 part silicone rubbers
CP 60K	Dimethyl Polymer	Silanol reactive polymer 60,000 cS	Textile softener
CP 80K	Dimethyl Polymer	Silanol reactive polymer 80,000 cS	Sealant manufacture
CP 100K	Dimethyl Polymer	Silanol reactive polymer 100,000 cS	Textile softener, and sealant manufacture
CFF 1020	Amino Functional	0.22 milliequiv. amino fluid	Very low yellowing textile softener
CFF 1030	Amino Functional	0.30 milliequiv. amino fluid	Low yellowing softener - textiles & cosmetics.
CFF 1060	Amino Functional	0.6 milliequiv. amino fluid	Cosmetic additive
CFF 5000	Amino Functional	Cross-linking amino fluid, 100%	Polishes
CFF 5050	Amino Functional	Cross-linking amino fluid, 50%	Leather softener, high durability polish additive
CEF 1000	Epoxy Functional	Epoxy modified fluid	Textile applications
CMF 1000	Mercapto Functional	Mercapto modified fluid	Surface and rubber reactive fluid
CMH 1000	Methyl Hydrogen	Methyl Hydrogen Fluid	Water repellent
CMH 1005	Methyl Hydrogen	Low Reactivity MH/PDMS Fluid	Water repellent



## SILICONE EMULSIONS

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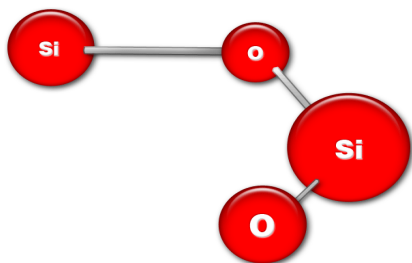
PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CDE 3035	PDMS Emulsion	30% Nonionic emulsion of 350 cps fluid	Polishes
CDE 3535	PDMS Emulsion	35% Nonionic emulsion of 350 cps fluid	Polishes, release agent
CDE 3535FG	PDMS Emulsion	35% Food Grade Nonionic 350cps Fluid	Food contact release agent
CDE 510	PDMS Emulsion	50% Anionic emulsion of low Viscosity fluid	Low viscosity release agent
CDE 5035	PDMS Emulsion	50% Nonionic emulsion of 350 cps fluid	Release emulsion, polishes, slip aide
CDE 910	PDMS Emulsion	50% Nonionic emulsion of 100 cps fluid	Polishes, release agent
CDE 930	PDMS Emulsion	50% Nonionic emulsion of 1000 cps fluid	Surface lubricant and detackifying agent
CDE 940	PDMS Emulsion	50% Nonionic emulsion of 10K fluid	Polishes, rubber glove release
CDE 60AD	PDMS Emulsion	60% Nonionic emulsion of 350 cps fluid	Printing, polishes, release.
CDE 6050	PDMS Emulsion	60% Nonionic emulsion of 500 cps fluid	Polishes
CDE 6060K	PDMS Emulsion	60% Nonionic emulsion of 60K fluid	Release agent - pourous substrates like concrete
CRE 50MH	MH Emulsion	50% Emulsion of methyl hydrogen fluid	Semi-permanent water repellent, canvas etc
CRE 35HV	Silanol Emulsion	35% Anionic/nonionic emuls. of VH visco fluid	Textile softener non yellowing, cotton jeans etc
CFE 135	Amino Functional	35% Cationic emulsion of reative amino fluid	Vinyl, and car polishes, softener for nylon
ASE 236	Amino Functional	35% Cationic emulsion of amino fluid	Vinyl, and car polishes, cosmetics
ASE 353C	Amino Functional	35% Cationic emulsion of amino fluid	Vinyl, and car polishes, cosmetics
ASE 354C	Amino Functional	35% Cationic emulsion of amino fluid	Vinyl, and car polishes, cosmetics



## SILICONE EMULSIONS (cont.)

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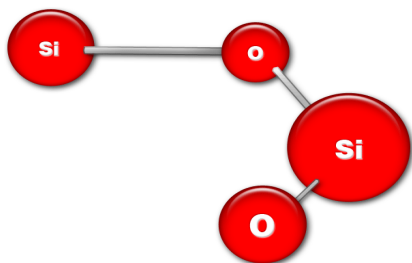
PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CFE 1122	Amino Functional	22% Micro-emulsion of amino fluid	Textile softener
CFE 1133	Amino Functional	50% Micro-emulsion of amino fluid	Textile softener
CFE 1263	Amino Functional	45% Micro-emulsion of amino fluid	Textile softener
CFE 240	Functional	35% Nonionic emulsion of functional fluid	Paper and cardboard water repellent
CRE 50UM	Silanol Emulsion	50% Anionic emulsion of silicone polymer	Cosmetic additive
CRE 60UM	Silanol Emulsion	60% Anionic emulsion of silicone polymer	Cosmetic additive



**ANTIFOAMS**

PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CAF505	Silicone Antifoam	10% Active industrial silicone antifoam	Low Cost General Purpose / Waste water
CAF 100	Silicone Antifoam	10% Active industrial silicone antifoam	General purpose
CAF 200	Silicone Antifoam	20% Active industrial silicone antifoam	General purpose
CAF 300	Silicone Antifoam	30% Active industrial silicone antifoam	General purpose
CFA 110	Silicone Antifoam	10% active food grade silicone antifoam	Food grade applications
CFA 210	Silicone Antifoam	20% Active food grade silicone antifoam	Food grade applications
CFA 310	Silicone Antifoam	30% Active food grade silicone antifoam	Food grade applications
CFA 1020P	Silicone Antifoam	20% active food grade antioam powder	
CFA 1000C	Silicone A/F Compound	100% Food silicone AF compound	Non aqueous food grade applications
CAF 1000C	Silicone A/F Compound	100% Active industrial antifoam	Non aqueous and antifoam manufacturing
CAF 1800	Silicone A/F Concentrate	80% Water diluteable silicone antifoam	Concentrate diluteable to desired level
CNS 890	Non-Silicone Antifoam	100% Active industrial antifoam	Paint, waste water
CNS 890F	Non-Silicone Antifoam	100% Active food grade antifoam	Processing, waste water
CNS 762	Non-Silicone Antifoam	100% Active industrial antifoam	Waste water, caustic/acid stable
CNS 775	Non-Silicone Antifoam	100% Active industrial antifoam	Waste water, caustic/acid stable

A Full Range of Silicone Fluids for Non Aqueous Antifoam Applications (See Fluid Chart)

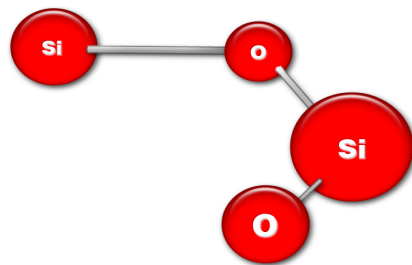


**COMPOUNDS & GREASES**

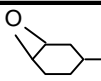
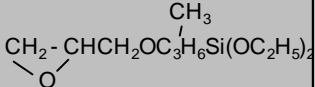
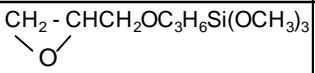
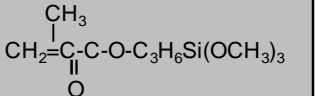
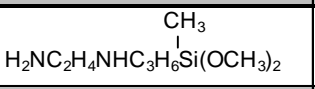
PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CC1001	Silicone Compound	Heat transfer	Electronics and electrical applications
CC 1002	Silicone Compound	General Purpose	Lubrication, rubber coating, insulator coating.
CC 1006T	Silicone Compound	Sprayable solution of CC1002	Stops flash over on HV electrical insulators

**COSMETICS and SPECIALTIES**

PRODUCT	TYPE	DESCRIPTION	APPLICATIONS
CSG 1000	Dimethyl Gum	Very high viscosity silicone gum	Haircare, sunscreens
CGF 1010	Dimethyl Gum/PDMS	Silicone gum/fluid blend	2 in 1 shampoo conditioners
CGV 1010	Dimethyl/Pentamer	Silicone gum/D5 blend	2 in 1 shampoo conditioners, cuticle coating
CVM 1000	Cyclomethicone	D5 and D4 Blend	Cosmetic applications
CVM 2000	Cyclomethicone	Mixed volatile blend	Cosmetic applications, and as diluting solvent
CV 1004	Cyclomethicone	D4 Volatile fluid	Diluting solvent
CV 1005	Cyclomethicone	D5 Volatile fluid	Cosmetic applications, and as diluting solvent
CSS 500	Modified Silicone	Surfactant	Polishes, cosmetics
CSS 550	Modified Silicone	Surfactant	Polishes, cosmetics
CSS 600	Modified Silicone	Surfactant	Surface wetting, agriculture.
SQT 22	Modified Silicone	Cosmetic additive	Softening and gloss additive
CGX 1000	Silicone solution	Paint additive	Hammertone paints



**SILANES**

Classification	Chemical Name	Product	Structural Formula	Molecular Weight	Specific Gravity @25°C	Refractive Index (n25/D)	Boiling Point °C	Flash Point °C	Coverage m <sup>2</sup> /g	Main Application
Vinyl Silanes	Vinyltrichlorosilane	CCS 103	CH <sub>2</sub> =CHSiCl <sub>3</sub>	161.5	1.26	1.432	91	9	480	Unsaturated Polyesters
	Vinyltrimethoxyethoxysilane	CMES 103	CH <sub>2</sub> =CHSi(OC <sub>2</sub> H <sub>4</sub> OCH <sub>3</sub> ) <sub>3</sub>	280.4	1.04	1.427	285	146	278	Unsaturated Polyesters
	Vinyltriethoxysilane	CES 103	CH <sub>2</sub> =CHSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	190.3	0.90	1.397	161	59	410	Polyethylene Crosslinking
	Vinyltrimethoxysilane	CMS 103	CH <sub>2</sub> =CHSi(OCH <sub>3</sub> ) <sub>3</sub>	148.2	0.97	1.391	123	32	515	Polyethylene Crosslinking
Epoxy Silane	Epoxycyclohexylethyltrimethoxysilane	CMS1303	 C <sub>2</sub> H <sub>4</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	246.4	1.06	1.448	310	163	317	Epoxy, Phenolic, and Melamine
	Glycidoxypropylmethyldiethoxysilane	CES1402	 CH <sub>2</sub> -CHCH <sub>2</sub> OC <sub>3</sub> H <sub>6</sub> Si(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	248.4	0.98	1.431	259	128	356	Epoxy, Phenolic, and Melamine
	Glycidoxypropyltrimethoxysilane	CMS1403	 CH <sub>2</sub> -CHCH <sub>2</sub> OC <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	236.3	1.07	1.427	290	149	330	Epoxy, Phenolic, and Melamine
Acryl	Methacryloxypropyltrimethoxysilane	CMS1503	 CH <sub>2</sub> =C(CH <sub>3</sub> )-C(=O)-O-C <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	248.4	1.04	1.429	255	125	314	Unsaturated Polyesters
Amino Silanes	Aminoethylaminopropylmethyldimethoxysilane	CMS1602	 H <sub>2</sub> NC <sub>2</sub> H <sub>4</sub> NHC(CH <sub>3</sub> ) <sub>3</sub> Si(OCH <sub>3</sub> ) <sub>2</sub>	206.4	0.97	1.445	234	110	380	Epoxy, Phenolic, Melamine, and Furan.
	Aminoethylaminopropyltrimethoxysilane	CMS1603	H <sub>2</sub> NC <sub>2</sub> H <sub>4</sub> NHC <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	222.4	1.02	1.445	259	128	351	Epoxy, Phenolic, and Melamine
	Aminopropyltriethoxysilane	CES1903	H <sub>2</sub> NC <sub>3</sub> H <sub>6</sub> Si(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	221.4	0.94	1.42	217	98	353	Nylon, Epoxy, Phenolic, and Melamine
	Phenylaminopropyltrimethoxysilane	CMS1573	C <sub>6</sub> H <sub>5</sub> NHC <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	255.4	1.07	1.504	312	165	307	Polyimide, Epoxy, Phenolic, and Melamine
Others	Chloropropyltrimethoxysilane	CMS1703	ClC <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	198.7	1.08	1.418	196	83	393	Epoxy
	Mercaptopropyltrimethoxysilane	CMS1803	HSC <sub>3</sub> H <sub>6</sub> Si(OCH <sub>3</sub> ) <sub>3</sub>	196.4	1.06	1.44	219	99	398	Rubber