Silitex®

High technology emulsion

ADDITIVES FOR DETERGENCE

Antifoams, Softeners, Hydrorepellents, Wax emulsions, Car care

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High technology emulsion

It’s a growth worth watching

SILITEX core business is the development, manufacturing and marketing of high performance Antifoams, Chemical Additives, Specialty Chemicals and Surface Technologies.

The company uses the latest technologies combined with advanced chemical engineering to obtain products with superior performance and high quality.

SILITEX yearly actual production capacity is 15K tons with the achievement of 21k tons expected in 2025: for this purpose an additional new site of over 5000 square meters was acquired in 2022 to host new production plants and warehouses.

Our High Tech Chemistry Lab is fully committed in constantly formulating innovative products based on customers’ requirements, market demands and environmental standards. High flexibility of the production center and of the laboratory team is one of SILITEX strength:

YOU SAY IT, WE SORT IT!





SILICONE BASED ANTIFOAMS FOR LIQUID DETERGENTS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
A003	**DYNAPAN 10 D**	Silicone based antifoam emulsion, characterized by medium viscosity.	emulsion	10	up to 100°	up to 11	0.1-0.7 %	good
A005	**DYNAPAN 16 D**	Silicone based antifoam emulsion, characterized by medium-high viscosity.	emulsion	16	up to 100°	up to 11	0.1-0.5 %	good
A011	**DYNAPAN 16 F**	Silicone based antifoam emulsion, characterized by medium-low viscosity.	emulsion	16	up to 100°	up to 11	0.1-0.5 %	good
A1474	**DYNAPAN 301**	Silicone based antifoam emulsion, characterized by high foam-breaking speed.	emulsion	17	up to 100°	up to 11	0.1-0.5 %	very good
A041	**DYNAPAN 30 D**	Silicone based antifoam emulsion, characterized by medium-high viscosity and high concentration.	emulsion	33	up to 100°	up to 11	0.1-0.3 %	good
A212	**DYNAPAN 30 FK**	Silicone based antifoam emulsion, characterized by low viscosity and high concentration.	emulsion	33	up to 100°	up to 11	0.1-0.3 %	very good
A1575	**DYNAPAN 360 F**	Silicone based antifoam emulsion, characterized by medium-low viscosity and high concentration.	emulsion	36	up to 100°	up to 11	0.1-0.3 %	very good

SILICONE BASED ANTIFOAMS FOR LIQUID DETERGENTS RESISTANT TO ACID/ALKALINE pH HIGH TEMPERATURE

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
PO026	**DYNAPAN 300**	Silicone based antifoam emulsion, characterized by low viscosity and very good stability also at high dilutions.	emulsion	17	up to 100°	up to 12	0.1-0.4 %	very good
E845	**DYNAWEED 260 E**	Modified polyether silicone based antifoam emulsion, characterized by good resistance to acid/alkaline systems and high temperature.	emulsion	26	up to 160°	up to 13	0.1-0.5 %	very good
PO516	**DYNAWEED G-100**	Compound antifoam dispersible in water. Efficient, resistant and persistent in pH 14 systems with strong presence of alkalyne. It leaves the solution transparent.	compound	100	up to 160°	pH 14 with strong presence of alkalyne	0.1-0.5 %	very good
E1469	**SILIWEED 260 E**	Modified polyether silicone based antifoam emulsion, characterized by good resistance to acid/alkaline systems and high temperature.	emulsion	26	up to 160°	up to 14	0.1-0.5 %	very good
E1469.	**ALKAFLUX 700**	Antifoam soluble in water. Efficient and resistant in pH 14 systems with a strong presence of alkaline substances. Ideal for processes.	nano dispersion	100	up to 180°	pH 14 with a strong presence of alkaline substances	0.03-0.3 %	good

ANTIFOAMS FOR ECO LABEL AND FOOD CONTACT STATUS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
C047	**CPL 250 FOOD**	Antifoam in emulsion based upon vegetal origined raw materials. Ideal for food contact and eco-label detergents.	emulsion	25	up to 100°	up to 11	0.2-0.8 %	good
B1952	**FISIOREX 1000**	Antifoam compound, 100% active, based on a selection of ingredients deriving from raw materials of plant origin.	self-emulsifying compond	100	up to 100°	up to 11	0.1-0.3 %	good
PO509	**POLIVEG**	Powder antifoams based upon vegetal origined raw materials. Ideal for food contact and eco-label formulations.	anhydrous powder	45		up to 11	0.1-0.8%	very good

ANTIFOAMS IN POWDER

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
PO161	**POLISIL 1500 S**	Silicone based antifoam in powder, to be used for powdered detergents.	anhydrous powder	15		up to 11	0.1-0.5 %	very good
PO509	**POLIVEG**	Silicone based antifoam in powder, based upon vegetal origined raw materials. Ideal for food contact and eco-label formulations.	anhydrous powder	45		up to 11	0.1-0.8 %	very good
A2197	**POLISIL 2000 S**	Silicone based antifoam in powder to be used in powder detergents.	anhydrous powder	20		up to 11	0.1-0.5%	very good
A2520	**POLISIL 3000 B**	Silicone based antifoam in powder to be used in powder detergents.	anhydrous powder	25		up to 11	0.1-0.5%	very good

ANTIFOAMS FOR SOLVENT BASED SYSTEMS DRY WASHING

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
PO145	**AS 100**	Antifoam compound 100 % active, based upon modified silicone. Suitable for the preparation of antifoams for solvent based systems.	dispersion in organic solvent	not applicable	not applicable	not applicable	0.01-0.2 %	usually stable, depends on solvent kind
SOL1811	**AS 1°**	Antifoam compound 100 % active based upon modified silicone. Suitable for the foam control in anhydrous systems and dry-washing operations.	compound 100 % active	not applicable	not applicable	not applicable	0.01-0.2 %	usually stable, depends on solvent kind

ANTIFOAMS FOR SLURRY

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	RESISTANCE TO TEMPERATURE	RESISTANCE TO PH	DOSAGE	STABILITY IN FORMULATION
A058	**STHOR 1000**	Compound 100 % active. Ideal for slurry treatment.	anhydrous compound	100	very good	excellent	0.1-0.3 %	excellent

SOFTENERS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	IONIC CHARACTER	EFFECT	RESISTANCE TO WASHING
E1986	**ANTIGAP 200**	Concentrated softener, based upon quaternary ammonium salts. Further dilutable with water, can be added with perfume.	water based dispersion	20	cationic	softening - antistatic	lasts for 1-3 washing
E309	**ANTIGAP 100**	Concentrated softener, based upon quaternary ammonium salts. Further dilutable with water, can be added with perfume.	water based dispersion	10	cationic	softening - antistatic	lasts for 1-3 washing
PO206	**ANTIGAP 1000**	It is used as a base for softeners formulators.	anhydrous base	90	cationic	softening - antistatic	lasts for 1-3 washing
E2525	**ANTIGAP 50**	Softener based upon quaternary ammonium salts. Ready to use, can be added with perfume.	water based dispersion	5	cationic	softening - antistatic	lasts for 1-3 washing
E111	**LANEMUL**	Special dispersion based upon lanoline. Ideal for the preparation of softeners for wool.	water based dispersion	35	non-ionic	softening - anti felting	lasts for 1-3 washing
E001	**EVERSIL 35**	Silicone based emulsion. It shows peculiar anti-static, slippy and softening features.	water based emulsion	35	non-ionic	softening - anti felting - slipping - antistatic	lasts for 1-3 washing
E1441	**EVEROIL 35**	Emulsion of emollient and softening raw materials of vegetal origin. Ideal for eco-label formulations and for the preparation of softeners with low environmental impact.	water based emulsion	35	non-ionic	softening - anti felting - slipping - antistatic	lasts for 1-3 washing
H189	**SOFTISOL**	Special softener for solvent based systems.	dispersion in perchloroethylene	not applicable	cationic	softening - anti felting - antistatic	lasts for 1-3 washing
E1942	**EVERIX**	Emulsion of emollient and softening raw materials from castor oil. Ideal for eco-label formulations and for the preparation of softeners with low environmental impact.	water based emulsion	35	non ionic	softening - anti felting - slipping - antistatic	last for 1-3 washing
E2524	**ANTIFIX 250**	Special perfumed disperison, based on lanulin. Ideal for softeners for wool clothes.	water dispersion	14	non ionic	softening - anti felting	lasts for 1-3 washing
H427	**AMISIL 501**	Polymers dispersed in solvent to be used as softener for solvent or dry washing.	polymers dispersed in solvent	50	cationic	softening - anti felting - antistatic	lasts for 1-3 washing

SPECIAL SILICONE BASED SOFTENERS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	IONIC CHARACTER	EFFECT	RESISTANCE TO WASHING
E1352	**MICROAMISIL**	Special reactive silicone microemulsion. It confers fabric a remarkable softening and a washing-resistant effect.	microemulsion	35	cationic with non-ionic surfactants	remarkably softening and washing-resistant	lasts for minimun 8 washing
E201	**MICROPIUMA**	Special silicone microemulsion for feather duster treatment. It gives a soft and swollen effect.	microemulsion	15	cationic with non-ionic surfactants	remarkably softening and swollen	lasts for 2-4 washing
E2176	**STENATEX C**	Special microemulsion with strong softening, anti-peeling, restructuring and washing-resistant effects.	microemulsion	35	cationic with non-ionic surfactants	remarkably softening; antipeeling; wear resistance	lasts for minimun 8 washing
E553	**AMINOQUAT 350**	Special silicone microemulsion for the treatment of bath towels. High softening and washing-resistant effect, suitable for formulations.	microemulsion	35	cationic with non-ionic surfactants	remarkably softening; hydrophilic and washing-resistant	lasts for minimun 8 washing
E1483	**AMINOQUAT 250**	Special silicone microemulsion for the treatment of bath towels. High softening and washing-resistant effect, suitable for formulations.	microemulsion	25	cationic with non-ionic surfactants	remarkably softening; hydrophilic and washing-resistant	lasts for 3-5 washing
E150	**IDROAMISIL**	Special microemulsion. It confers fibers a strong hydrophilic effect. Good softening feature.	microemulsion	25	fully non-ionic	strong hydrophilic; softening and washing-resistant	lasts for 2-4 washing
E2312	**EVERQUAT 350 Z**	Emulsion with softening and strong hydrophilic effect.	emulsion	35	cationic with non ionic surfactants	very hydrophilic - softening - resistant	lasts for 3-5 washing

HYDRO REPELLENT AND ANTI STAIN FOR FABRIC

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	IONIC CHARACTER	EFFECT	RESISTANCE TO WASHING
PO382	**TERATEX 210**	Water based microemulsion of fluorine-carbon resin, C6. Strong hydrorepellent and anti-stain effects over all fibers.	microemulsion	25	additive for the preparation of products addressed to fabric finishing	allows a strong hydro-repellent and anti-stain effect over treated fabric	lasts for 3-10 washing, depending on applied concentration
PO385	**AMINOVER PES**	Nano water dispersion of a special reactives silicone. It imparts a remarkable hydro-repellent effect over synthetic fibers.	nano colourless dispersion	10	additive for the preparation of products addressed to fabric finishing	allows a strong hydro-repellent effect over treated fabric	lasts for 3-5 washing, depending on applied concentration

SILICONE BASED RAW MATERIALS FOR THE PREPARATION OF SPECIAL SOFTENERS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	EFFECT	USAGE
PO312	**AMINOQUAT 1000**	Anhydrous fluid based upon a quaternary silicone, water insoluble. It is a base for preparation of hydrophilic softeners for bath towels.	anhydrous fluid	100	strong and pleasant softening on cotton fabric. It confers fabric hydrophilicity.	base to be used, in addition to suitable raw materials and processes, for the preparation of special silicone softeners.
PO164	**IDROAMISIL 1000**	Anhydrous fluid based upon a quaternary silicone, water insoluble. It is a base for preparation of hydrophilic softeners.	anhydrous fluid	100	strong and pleasant softening on cotton fabric. It confers fabric hydrophilicity.	base to be used, in addition to suitable raw materials and processes, for the preparation of special silicone softeners.
PO399	**H 180**	Anhydrous fluid, high reactive. It is a base for preparation of silicone softeners.	anhydrous fluid	100	strong and pleasant softening on cotton fabric, denim, synthetic fabric. It confers fabric hydrophobicity, resistant to washing.	base to be used, in addition to suitable raw materials and processes, for the preparation of special silicone softeners.
PO536	**H 160**	Anhydrous fluid, medium reactive. It is a base for preparation of silicone softeners.	anhydrous fluid	100	strong and pleasant softening on cotton fabric, denim, synthetic fabric. It confers fabric hydrophobicity, resistant to washing.	base to be used, in addition to suitable raw materials and processes, for the preparation of lubricant, release, shining, antistatic formulations.
	SILICONE FLUIDS (PDMS)	Silicone fluids, linear chain, polydimethylsiloxane (PDMS). Available in various viscosities: 50, 100, 350, 1000, 5000, 12500 cSt.	anhydrous fluid	100	slipping; antistatic; lubricant; hydro-repellent.	base to be used, in addition to suitable raw materials and processes, for the preparation of special silicone softeners.

WAX EMULSIONS

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	EFFECT	USAGE
F1702	**POLYEMUL 800/38**	Water emulsion of paraffine wax.	white emulsion	38	it creates a coating effect over wood cracks and marks.	additive for the production of wax and polishes for wood, furniture and floor.
PO318	**IDROCER**	Nano emulsion of polyethilene wax with medium melting point.	amber colour nano emulsion	25	it creates a semi-transparent film over wood and stone floors.	additive for the production of wax and polishes for wood, furniture and floor.
PO383	**IDROCER 1300**	Nano emulsion of polyethilene wax with high melting point.	amber colour nano emulsion	30	it creates a semi-transparent and stiff film over wood and stone floors.	additive for the production of wax and polishes for wood, furniture and floor.
PO504	**IDROCER SH**	Nano emulsion of polyethilene wax with high melting point. It leaves a fully transparent film.	amber colour nano emulsion	33	it creates a transparent film over wood and stone floors.	additive for the production of wax and polishes for wood, furniture and wooden/ceramic floor.
PO344	**CARNAUBEX 442**	Carnauba wax emulsion.	hazelnut colour emulsion	45	it creates a covering and flexible film over wood and porous materials. It enhances the natural wood colour.	additive for the production of wax and polishes for wood and furniture.
F1147	**CARNAUBEX C**	Carnauba wax emulsion with cationic character.	hazelnut colour emulsion	18	it creates a covering and flexible film over wood and porous materials. It enhances the natural wood colour. The cationic nature increase the adhesion over the support.	additive for the production of wax and polishes for wood and furniture.
PO643	**CARNAUBEX 300**	Water emulsion of carnauba wax with non-ionic character.	hazelnut color emulsion	30	it creates a covering and shining film on every type of floors.	additive for the production of waxes for floors with rigid surface, like tiles, marble and granites.
F335	**WASPER D**	Beeswax emulsion.	ivory colour emulsion	25	it creates a covering and flexible film over wood and porous materials. It enhances the natural wood colour.	additive for the production of wax and polishes for wood and furniture.

RAW MATERIALS AND SPECIAL ADDITIVES

ITEM CODE	PRODUCT	DESCRIPTION	TYPE	%	EFFECT	USAGE
PO044	**DYNAWEED 510**	Silicone polyether fluid, 100% active. Fully water soluble.	anhydrous compound	100	lowers the surface tension of liquids. It has strong wetting feature.	base to be used in water based systems to reduce the surface tension, hence improve the wetting effect.
PO173	**DYNAWEED 2-100**	Silicone polyether fluid, 100% active. Self-emulsifying in water.	anhydrous compound	100	lowers the surface tension of liquids without creating foam. It has strong wetting feature.	base to be used in water based systems to reduce the surface tension, hence improve the wetting effect.
H1358	**REOWASS 300**	Base 100% active, water soluble, showing strong water removal effect.	anhydrous compound water soluble	100	creates an evident water removal effect over water soaked surfaces.	base to be used as additive in the preparation of wax formulation used in final car washing.
PO280	**RINOXID 1000**	Anhydrous fluid, water insoluble, with remarkable odour absorbing feature.	anhydrous compound	100	it gets rid of any smell kind. It works on fabric, ambient, water.	base to be used, in addition to suitable raw materials and processes, for the preparation of special formulations for both water and solvent systems.
E1412	**RINOXID**	Water emulsion, with remarkable odour absorbing feature.	water emulsion	10	it gets rid of any smell kind. It works on fabric, ambient, water.	base to be used, in addition to suitable raw materials and processes, for the preparation of special formulations for softeners, additive for water and ambient having odour absorbing effect.
E1631	**EVOLUTION**	water microemulsion of special active principle that dissolves deep and superficial dirt.	water microemulsion	15	degreasing agent for deep and superficial dirt. Soluble in water.	to be used also in the washing machine, for very dirty clothes.
D1454	**MICROSOLV**	Water based microemulsion of a special solvent, scented with citrus fruits, with strong degreasing power.	water based microemulsion	15	remarkable degreasing and cleaning power. Possess the same cleaning efficiency of a hydrocarbon solvent, but is water-soluble.	to be further diluted with water, and used for cleaning and degreasing of very dirty surfaces. Ideal as degreaser additive for washer-dryer machine.
E1630	**SUPER SOLDIER**	Water based microemulsion of special surfactants having stong cleaning power when used for garments in washing machines. No perfume added.	water based dispersion	20	remarkable cleaning power for garments, in washing machines. Suitable for all washing temperatures.	cleaning effect at every temperature and all washing cycles program. Addressed to both home and professional washing machines.
E2255	**SUPER SOLDIER**	water based microemulsion of special surfactants having strong cleaning power when used for garments in washing machines. With perfume.	water based dispersion	20	remarkable cleaning power for garments, in washing machines. Suitable for all washig temperatures.	cleaning effect at every temperature and all washing cycles program. Addressed to both home and professional washing machines.
E1186	**ESSENZA DI EDEN**	Water emulsion of perfumed essence.	water emulsion	10	it perfumes fabric, ambient and water solutions.	base to be used to perfume softeners formulations. It is an additive to be also used in the final washing stage.

CAR CARE

ITEM CODE	PRODUCT	APPEARANCE	%	USAGES	EFFECT	FEATURES
E965	**BEAUTY CAR**	Water emulsion	10	Special formulation based upon modified silicones as water emulsion. Ready to use	Shining, protective, hydro-repellent, rinse aid, equalizer	used as supplied. It is applied over the car's body, then shiny pulled with a rag or a polisher machine.
E595	**BEAUTY CAR CONC.**	Water emulsion	40	Special formulation based upon modified silicones as water emulsion. Base for the preparation of formulates	Shining, protective, hydro-repellent, rinse aid, equalizer. DEGREASER	product addressed to formulators. To be diluted at least 1:3 with water and used as a base to prepare formulations for "cosmetic" apperance of car body.
H1600	**REOWASS 500 S**	Water emulsion	50	Formulation based upon a special silicone additive dispersed in propyl glycol	Increase the performance and the speed of drying, on car's body treated in washing tunnels. Shining and hydro-repellent	product addressed to formulators. Used as additive to prepare formulation for automatic car wash and for "cosmetic" apperance of car body.
E069	**MICROAMISIL 41**	Water microemulsion	41	Special microemulsion of a reactive silicone. It has remarkable hydro-repellent, shining and equalizer features	Shining, hydro-repellent, equalizer. Resistant to washing	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body and leather components.
E1674	**MICROAMISIL C**	Water microemulsion	40	Special microemulsin of a high reactive silicone. It has remarkable and long lasting hydro-repellent, shining and equalizer features	Shining, hydro-repellent, equalizer. Resistant to washing, long lasting	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body. it creates a covering and flexible thick film.
E729	**EVERSIL 3.5**	Water emulsion	35	Water emulsion of silicone (PDMS) of short chain	Mild hydro-repellency; mild equalizer; strong shining and rinse aid	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body and cockpit shine.
E1896	**EVERSIL 6.0**	Water emulsion	60	Water emulsion of silicone (PDMS) of short chain	Mild hydro-repellency; mild equalizer; strong shining and rinse aid	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body and cockpit shine. Low Viscosity easy application.
E001	**EVERSIL 35**	Water emulsion	35	Water emulsion of silicone (PDMS) of medium chain	Hydro-repellency; equalizer; shining and rinse aid	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body; cockpit and car band shine; tyre renovator.
E1150	**EVERSIL 60**	Water emulsion	60	Water emulsion of silicone (PDMS) of medium chain	Hydro-repellency; equalizer; shining and rinse aid	product addressed to formulators. Used as additive to prepare formulations for "cosmetic" apperance of car body; cockpit and car band shine; tyre renovator.

ITEM CODE	PRODUCT	APPEARANCE	%	USAGES	EFFECT	FEATURES
E125	**EVERSIL 350**	Water emulsion	35	Water emulsion of silicone (PDMS) of long chain	Good hydro-repellency; good equalizer; good shining; mild rinse aid	product addressed to formulators. Used as additive to prepare formulations for “cosmetic” apperance of car body; cockpit and car band shine; tyre renovator.
PO139	**EVERSIL 3500**	Water emulsion	43	Water emulsion of silicone (PDMS) of very long chain	Good hydro-repellency; excellent equalizer; good shining; ideal for auto bundles	product addressed to formulators. Used as additive to prepare formulations for “cosmetic” apperance of car body; cockpit and car band shine; tyre renovator.
E061N	**LUBROWHITE 45**	Water emulsion	45	Water emulsion of liquid paraffine	Hydro-repellency; equalizer; shining and rinse aid. Overpaintable	product addressed to formulators. Used as additive to prepare formulations for “cosmetic” apperance of car body; cockpit and car band shine; tyre renovator.
H427	**AMISIL 501**	Dispersion in alcohol	50	Special dispersion of silicone reactive to air, in aliphatic solvents and isopropyl alcohol	Hydro-repellency; equalizer; resistance to washing, long lasting	product addressed to formulators. Used as additive to prepare formulations of special polishes and wax for car bodies.
PO344	**CARNAUBEX 442**	Hazelnut color emulsion	45	Carnauba wax emulsion	Additive for the production of wax and polishes for tyres, cockpit and car band	it creates a covering and flexible film. It enhances the original colors of cockpit and car band shine; tyre renovator.
F1147	**CARNAUBEX C**	Hazelnut color emulsion	18	Carnauba wax emulsion with cationic character	Additive for the production of wax and polishes for tyres cockpit and car band	it creates a covering and flexible film over. It enhances the original colors. The cationic nature increase strongly the adhesion over the support.

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Ed. 01/2025