



ESPECIALIDADES QUIMICAS
ESQUIM S.A.

PERSONAL CARE

High-Purity Ingredients for Cosmetics
and Personal Care

Silicone Fluids and Blends

Silicone Fluids Features

- Small change in physical properties over a wide temperature range. A relatively flat viscosity temperature gradient as compared to hydrocarbons.
- Excellent thermal stability.
- Low pour point.
- Chemically inert in contact with most of chemical products and atmospheric agents.
- Low surface tension.
- Incompatible with most of organic materials.
- Excellent water repellency.
- High compressibility.
- Good dielectric properties over a wide range of temperature and frequencies.

Silicone Blends Features

- Durable dry, soft and silky feel.
- Good compatibility with cosmetic ingredients due to the high dimethiconol/high polymer content.
- Excellent base for hair conditioning agent.
- Excellent wash-off resistance.
- 100% active ingredients.
- Reduces stickiness of greasy formulations.

Product	INCI	Viscosity (cps)	Shower gel	Liquid soap	Body Lotion	Bath oil	Eye make-up	Lipstick	Sun care	Deodorants
ESQUIM FS	Dimethicone	5 - 1.000.000	●	●	●	●	●	●	○	○
ESQUIM FS-065	Dimethicone	0.65	○	○	○	●	○	○	○	○
ESQUIM DP-014A	Cyclopentasiloxane & Dimethiconol	6000	●	●	●	○	●	●	●	●
ESQUIM FM-8230	Cyclopentasiloxane & Dimethicone crosspolymer	Gel	●	●	●	●	●	●	●	●
ESQUIM FM-8198/4	Dimethicone & Dimethiconol	4000	●	●	●	●	●	○	●	○
ESQUIM FM-8198/6	Cyclotetrasiloxane & cyclopentasiloxane & Dimethiconol	6000	○	○	●	○	○	●	○	○
ESQUIM DP-063A	Cyclopentasiloxane & Dimethicone	6500	○	○	●	○	○	●	○	○
ESQUIM DP-118A	Disiloxane & Dimethiconol	120	○	○	●	●	○	○	●	●
ESQUIM DP-208A	Cyclopentasiloxane & Dimethiconol	700	○	○	●	●	●	●	●	●
ESQUIM FM-8868	Dimethicone	15000	○	○	●	○	○	●	○	○
ESQUIM FM-508	Cyclopentasiloxane & PEG/PPG- 18/18 Dimethicone	2000	●	○	●	●	○	○	●	○
ESQUIM DP-065A	Dimethicone & trimethylsiloxysilicate	700	○	○	●	○	○	○	●	○
ESQUIM DP-066A	Cyclopentasiloxane & trimethylsiloxysilicate	500	○	○	●	○	●	●	●	●
ESQUIM FM-440	Ethyl Methicone	10	●	○	●	●	●	●	●	●
ESQUIM FM-442	Ethyl Methicone & Dimethiconol	4500	●	●	●	○	●	●	●	●

Cyclic Silicone Fluids

These ranges of products are cyclic polydimethylsiloxanes with very low molecular weight.

Cyclic Silicone Fluids Features

- Low viscosity fluids.
- Good volatility and extensibility.
- Excellent Surface tension depressants and wetting agents.
- Durable and excellent gloss, emollients and water repellents.
- Dry and silky touch is obtainable without residual matter after olatilization.
- Excellent carriers and vehicles for active ingredients in personal care formulations.

Product	INCI	Shower gel	Liquid soap	Body Lotion	Bath oil	Lipstick	Sun care	Deodorants
ESQUIM FM-404	Cyclotetrasiloxane & cyclopentasiloxane	○	○	●	●	○	●	●
ESQUIM FM-405	Cyclopentasiloxane & cyclohexasiloxane	●	●	●	○	○	●	○
ESQUIM FM-415	Cyclopentasiloxane	●	○	●	●	●	●	●
ESQUIM FM-416	Cyclohexasiloxane	○	○	●	○	○	●	○

Modified Silicone Fluids

ESQUIM FM is a wide range of alkyl, aryl and amino-modified silicones for specific applications. Depending on the silicone-to-alkyl ratio and the number of carbons in the alkyl chain, the product present different physical form, from liquids to waxes. Those modifications improve specific properties.

Modified Silicone Fluids Features

- Outstanding solubility characteristics. Solubles in water, alcohols & most other organic solvents, making incorporation into formulations easy.
- Compatibles with many silicone and silicone-free cosmetic ingredients.
- Excellent Surface tension depressants and wetting agents.
- High gloss and shiny effect.

Product	INCI	Shower gel	Liquid soap	Body Lotion	Bath oil	Eye make-up	Lipstick	Sun care	Clearopaque shampoo	Conditioner
ESQUIM FM-450	Phenyltrimethicone	○	○	○	○	●	●	●	○	○
ESQUIM FM-490	PEG/PPG 18/18 dimethicone	○	○	○	○	○	○	●	●	●
ESQUIM FM-493	PEG-12 dimethicone	●	○	●	○	○	○	●	●	●
ESQUIM FM-9077	Amodimethicone	○	○	●	○	○	○	●	○	○
ESQUIM FM-8126	PEG/PPG 18/18 dimethicone	○	●	○	●	○	○	●	○	○

Silicone Emulsions

These kinds of products are silicone in water emulsions just to use silicone fluids in dilute form.

Silicone Emulsions Features

- Excellent storage stability.
- Easy dilution with water.
- Excellent durable shine, emollient and soft finish.
- Excellent wash-off resistance.

Product	System	INCI	Active matter (%)	Styling	Cuticle Coat	Colour Protection	Conditioner	Clearopaque shampoo	Body Lotion
ESQUIM E-301	Silicone fluid	Dimethicone & Laureth-4 & Laureth-23	50	●	○	●	●	○	○
ESQUIM E-221M	Aminofunctional silicone fluid	Amodimethicone & Cetrimonium chloride & Trideceth-12	35	●	●	●	●	●	○
ESQUIM E-271	Aminofunctional silicone fluid	Amodimethicone & Trideceth-7	20	○	●	●	●	●	○
ESQUIM E-8876	Aminofunctional silicone fluid & avocado oil	Laurylmethicone copolyol	40	●	○	●	○	○	●

Chemical Specialties

In our effort to improve our service and the product quality of our customers, ESQUIM SA has developed complementary specialties to our usual range of products.

Product	System	INCI	Description
ESQUIM FD-10	Silicone fluid	Dimethicone	Antifoaming agent, shows an easy and fast dispersion in the medium to be defoamed and an excellent performance in a wide range of pH and temperatures.
ESQUIM E-341	Paraffin emulsion	White mineral oil	Product based on paraffin oil that awards smoothness to the tact and totally compatible with the majority of cosmetic products water based.
ESQUIM R-710	Silicone Resin	Trimethylsiloxysilicate	Powder silicone resin that imparts waterproof, durable film forming, silky touch, non-sticky and compatible with other silicones and organic compounds.



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