

Description	<p>C.T.F.A. / I.N.C.I. Name: DIMETHICONE CAS N° 63148 – 62 – 9 MIRASIL DM 100 is a linear polydimethylsiloxane fluid with a low viscosity and low molecular weight.</p>
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Examples of applications

- Skin care: creams and lotions - recommended use levels 0.5–2% for a soft feel 5–10% for a protecting effect.
- Deodorants and antiperspirants: recommended use levels 0.5–2% for detackification.
- Make up removers, shaving lotions and shaving foams: recommended use levels 0.5 – 2%.
- Sun products: protection and waterproof effect - recommended use levels 1-10%.

Key benefits

- Wet/Dry combing
- Softness
- Shine
- Spreadability
- Detackification
- Anti-whitening
- Pigment dispersant

Typical properties

	MIRASIL DM 100
Appearance	Clear liquid, with no extraneous matter
Viscosity NF T 76102	100 mm ² /s

Appearance.....	Clear liquid, with no extraneous matter
Colour (Hazen).....	30 max.
Turbidity (NTU).....	4 max.
Odour.....	None to slight
Specific gravity (25°C ; kg/m ³).....	≈ 965
Viscosity at 25°C (mm ² /s).....	90 – 110
Refractive index at 25°C.....	≈ 1.402
Surface tension (25°C; mN/m).....	≈ 20.9
Pour point (°C).....	≈ -55
Flash point (closed cup, °C).....	>300
Volatile matters (150°C-1g-2h ; %).....	0.3 max.
Acidity (in NaOH - 0.01N ; ml).....	0.15 max.
For neutralization of 2g product	
Heavy metals (Pb ; ppm).....	5 max.
Phenyl compounds (DO).....	0.2 max.
Mineral oils (mg/kg).....	0.1
Identity (I.R. Spectrum).....	Conform

MIRASIL DM 100

Technical Data Sheet n° 1042-V1 – 2018/08/13

Soluble in:

Ethyl, Butyl Acetate; Isopropyl Palmitate; Isopropyl Myrisate; Ethyl, Isopropyl ether; Cyclomethicones; Phenyl Trimethicone; Lauryl alcohol.

Insoluble in:

Water, Vegetable oils, Fatty acids, Glycerine, Ethanol (95%), Isopropanol, Stearyl alcohol, Ethylene Glycol, Propylene glycol, Glycerol, Glycerol Monostearate, Petrolatum, Mineral oil.

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	MIRASIL® DM 100 is generally used in combination with other ingredients to form beauty care products, either anhydrous formulations or emulsions. In emulsions, it is easy to mix with emollients and emulsifiers, oil phase, and heat stable during oil in water emulsification process.
Packaging	<ul style="list-style-type: none">• MIRASIL DM 100 is available in<ul style="list-style-type: none">○ Pallet of 1000 KG (2205 LB)○ Drum of 200 KG (441 LB)
Storage and shelf life	When stored in its original packaging: MIRASIL DM 100 may be stored at a temperature between -20 °C/ -4 °F and 50 °C/ 122 °F for up to 36 months from its date of manufacturing. Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Safety	Please consult the Safety Data Sheet of: MIRASIL DM 100

Visit our website www.silicones.elkem.com

Warning to the users

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