

Description

C.T.F.A. / I.N.C.I. Name: CAPRYLYL METHICONE

CAS N° 17955-88-3

MIRASIL CAPRYLYL TSO is an alkyl modified polysiloxane of low viscosity with an octyl pendant group used as emollient. It is compatible with cosmetic oils and waxes with an excellent spreadibility. It reduces the rub-on time of creams and lotions and provides a silky afterfeel.

Examples of applications

Suitable for a wide range of applications in personal care products including:

- Skin and body lotions / creams
- Foundations
- Colour cosmetics (e.g. lipsticks)
- Antiperspirant/Deodorant
- Hair care (e.g. Leave-on treatments)
- Sun care

Key benefits

- Easily volatile
- Improves spreading of non-polar liquids
- Non-tacky skin feel
- Improves shine and color of pigment based formulations
- Reduce the tackiness of glycerin and vegetable oils
- Improves drying time
- Surface active in many organic media

Typical properties

	MIRASIL CAPRYLYL TSO
Appearance	Clear liquid
Viscosity AFNOR T 60	4 mm ² /s

Appearance..... Clear liquid
 Colour..... Colorless to yellowish
 Viscosity, at 25°C, mm²/s..... 2 to 6
 Specific gravity at 25°C, g/cm³, approx..... 0.84
 Refractive Index, 25°C, approx..... 1.413
 Flash point (closed cup), °C..... > 100
 D4 content, % < 0.1

Solubility of MIRASIL CAPRYLYL TSO with various cosmetic ingredients

TYPE OF MATERIAL	1/10*	1/1	10/1

MIRASIL CAPRYLYL TSO

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Water	I	I	I
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HYDROCARBONS	1/10*	1/1	10/1
Mineral oil	S	S	S
Isododecane	S	S	S

ALCOHOLS & GLYCOLS	1/10*	1/1	10/1
Ethanol	S	S	S
Glycerol	I	I	I
Dipropylene glycol	I	I	I
Propylene glycol	I	I	I
Octyl dodecanol	S	S	S
Stearyl alcohol	I	I	S
Isopropyl Alcohol	S	S	S

OILS	1/10*	1/1	10/1
Jojoba oil	S	S	S
Almond oil	S	S	S
Castor oil	I	I	I
Wheat germ oil	S	S	S
Sunflower oil	S	S	S
Lanolin oil	I	I	I
Coconut oil	S	S	S

WAXES	1/10*	1/1	10/1
Carnauba wax	I	I	I
Beeswax	S	I	I
Paraffin wax	I	I	I
Candelilla wax	S	I	I

ESTERS	1/10*	1/1	10/1
Isopropyl myristate	S	S	S
Isopropyl palmitate	S	S	S
C12-C15 Alkyl benzoate	S	S	S
Caprylic triglycerides	S	S	S

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Isononyl Isononaonate	S	S	S
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SUNSCREENS	1/10*	1/1	10/1
Buthyl Methoxydibenzoylmethane	I	I	I
Octyl methoxycinnamate	S	S	S
Octocrylene	S	I	I
Ethylhexyl methoxycinnamate	S	S	S
Ethylhexyl Salicylate	S	S	S
Benzophenona-3	I	I	I

SILICONES	1/10*	1/1	10/1
MIRASIL PTM (Phenyl Trimethicone)	S	S	S
MIRASIL DMCO (PEG/PPG 22/24 Dimethicone)	I	I	S
MIRASIL ADMH 395 (Propoxytetramethylpiperidinyldimethicone)	S	S	S
MIRASIL C-DMP (Cyclopentasiloxane(and) PEG/PPG 18/18)	I	I	I
MIRASIL D-DML(Dimethicone)and(dimethiconol)	S	S	S

* = 10% of MIRASIL CAPRYLYL TSO and 90% of tested material

S = Soluble

I = Completely or partially insoluble

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 For more information, please download the TDS available in PDF format below.

Packaging

- MIRASIL CAPRYLYL TSO is available in
 - Drum of 100 KG (220.5 LB)

Storage and shelf life When stored in its original packaging:
MIRASIL CAPRYLYL TSO may be stored at a temperature between 2 °C/ 36 °F and 40 °C/ 104 °F for up to 18 months from its date of manufacturing.
Comply with the storage instructions and expiration 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.

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Limitations	Please consult your local ELKEM SILICONES sales office.
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Safety	Please consult the Safety Data Sheet of: MIRASIL CAPRYLYL TSO
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Visit our website www.silicones.elkem.com

Warning to the users

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