

MIRASIL C-DMB

Description	<p>CTFA/INCI Name: CYCLOPENTASILOXANE (and) DIMETHICONE. CAS n° 541 – 02 - 06 (and) 63148 -62 -9 MIRASIL C-DMB is a solution of a polydimethylsiloxane of very high viscosity at 15% in Cyclopentasiloxane. Easy to handle blend of high molecular weight Dimethicone.</p>																																										
Examples of applications	<p>In skin care applications, MIRASIL C-DMB will impart a smooth dry feel on the skin and can help to improve water-resistance properties and long lasting effect in sun care products. Confers antistatic and gloss effects to hair and leaves the hair with a soft, silky feel. MIRASIL C-DMB will contribute to improve both wet and dry combing. MIRASIL C-DMB is recommended in cuticle coat products, for its protecting action on split ends. Recommended use levels : 3 – 10% in skin or hair care products. 60% min. in cuticle coat products.</p>																																										
Key benefits	<p>The Cyclopentasiloxane part will rapidly evaporate, while the Dimethicone part will remain on the skin or on hair providing an increased substantivity and conditioning effect.</p>																																										
Typical properties	<ul style="list-style-type: none"> Appearance..... Clear liquid visibly free from suspended matter Colour (Hazen)..... < 30 Odour..... None to slight Viscosity (At 25°C, mPa.s, approx.)..... 6000 Specific gravity (At 25°C, Kg/m3, approx.)..... 960 Absorption UV DO..... < 0.2 Refractive Index (At 25°C)..... 1.396 to 1.402 Identity (I.R. Spectrum)..... Conform Solid content (150°C, 1g – 2h, %, approx.)..... 15 Heavy metals (ppm Pb) < 5 Freezing point (°C)..... <-30 Flash point (Closed cup, °C, approx.)..... 73 <p>Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.</p>																																										
Instruction of use	<p>Solubility of MIRASIL C-DMB with various cosmetic ingredients</p> <table> <tr> <th>TYPE OF MATERIAL</th><th>1:9*</th><th>5:5</th><th>9:1</th></tr> <tr> <td>Water</td><td>I</td><td>I</td><td>I</td></tr> </table> <table> <tr> <th>HYDROCARBONS</th><th>1:9*</th><th>5:5</th><th>9:1</th></tr> <tr> <td>Mineral Oil</td><td>I</td><td>I</td><td>S</td></tr> <tr> <td>Hydrogenated Polyisobutane</td><td>I</td><td>S</td><td>S</td></tr> <tr> <td>Isohexadecane</td><td>S</td><td>S</td><td>S</td></tr> <tr> <td>Isododecane</td><td>S</td><td>S</td><td>S</td></tr> </table> <table> <tr> <th>ALCOHOLS & GLYCOLS</th><th>1:9*</th><th>5:5</th><th>9:1</th></tr> <tr> <td>Ethanol</td><td>I</td><td>I</td><td>S</td></tr> <tr> <td>Glycerin</td><td>I</td><td>I</td><td>I</td></tr> </table>			TYPE OF MATERIAL	1:9*	5:5	9:1	Water	I	I	I	HYDROCARBONS	1:9*	5:5	9:1	Mineral Oil	I	I	S	Hydrogenated Polyisobutane	I	S	S	Isohexadecane	S	S	S	Isododecane	S	S	S	ALCOHOLS & GLYCOLS	1:9*	5:5	9:1	Ethanol	I	I	S	Glycerin	I	I	I
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Propylene Glycol	I	I	I
Octyldodecanol	I	I	I

OILS	1:9*	5:5	9:1
Macadamia Ternifolia Seed Oil	I	I	I
Oriza Sativa (Rice) Bran Oil	I	I	I
Simmondsia Chinensis (Jojoba) Seed Oil	I	I	I
Prunus Amygdalus Dulcis (Sweet Almond) Oil	I	I	I
Ricinus Communis (Castor) Seed Oil	I	I	I
Triticum Vulgare (Wheat) Germ Oil	I	I	I

ESTERS	1:9*	5:5	9:1
Isopropyl Myristate	S	S	S
Isopropyl Palmitate	S	S	S
Isocetyl Behenate	S	I	I
Triisostearyl Citrate	S	I	S
Caprylic/Capric Triglyceride	I	I	S
C12-C15 Alkyl Benzoate	S	I	S

SUNSCREENS	1:9*	5:5	9:1
Ethylhexyl methoxycinnamate	I	I	S
Buthyl Methoxydibenzoylm ethane	I	I	S
Benzophenone-3	I	I	S

SILICONES	1:9*	5:5	9:1
DMCO (PEG/PPG- 22/24 Dimethicone)	I	I	I

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ADMH 395 (Propoxytetramethyl Piperidiny Dimethicone)	S	S	S
PTM (Phenyl Trimethicone)	S	S	S

* = 10% of MIRASIL C-DMB and 90% of tested material

S = Soluble

I = Completely or partially insoluble

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Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none"> MIRASIL C-DMB is available in <ul style="list-style-type: none"> Pail of 25 KG (55.13 LB) Drum of 200 KG (441 LB) Pallet of 900 KG (1984.5 LB)
Storage and shelf life	<p>When stored in its original packaging:</p> <p>MIRASIL C-DMB may be stored at temperatures between 2°C / 36°F and 40°C / 104°F for up to 36 months from its date of manufacturing.</p> <p>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.</p>
Safety	Please consult the Safety Data Sheet of: MIRASIL C-DMB

Visit our website www.elkem.com/silicones/

Warning to the users

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