

# MIRASIL<sup>®</sup>

## C-DML LV

Provisional technical data sheet - DRAFT

<b>Description</b>	<p><b>C.T.F.A. / I.N.C.I. Name: Cyclopentasiloxane (and) Dimethiconol</b>  <b>CAS N° 541-02-6 (and) 70131-67-8</b></p> <p><b>MIRASIL C-DML</b> is a solution of a Dimethiconol gum of very high viscosity at 11% in Cyclopentasiloxane.</p> <p>Easy to handle blend of high molecular weight Dimethiconol.</p>
<b>Examples of applications</b>	<p>In skin care applications, <b>MIRASIL C-DML LV</b> 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.</p> <p>Confers antistatic and gloss effects to hair and leaves the hair with a soft, silky feel.</p> <p><b>MIRASIL C-DML LV</b> will contribute to improve both wet and dry combing.</p> <p><b>MIRASIL C-DML LV</b> is recommended in cuticle coat products, for its protecting action on split ends.</p> <p>Recommended use levels :  3 – 10% in skin or hair care products.  60% min. in cuticle coat products.</p>
<b>Advantages</b>	<p>The Cyclopentasiloxane part will rapidly evaporate, while the Dimethiconol part will remain on the skin or on hair providing an increased substantivity and conditioning effect.</p>
<b>Characteristics</b>	<p>Appearance (Standard SH-1) .....Clear liquid visibly free from suspended matter</p> <p>Colour (Standard SH-42), Hazen..... &lt; 30</p> <p>Odour .....None to slight</p> <p>Identity, I.R. Spectrum (Standard SH-73). ..... Conform</p> <p>Viscosity, at 25°C (Standard SH-13), mPa.s, approx. .... 1500</p> <p>Solid content, 150°C - 1 g -2 h (Standard SH-6), %, approx. .... 11</p> <p>Specific gravity at 25°C, kg/m3, approx..... 960</p> <p>Absorption UV DO (Standard SH-69) ..... &lt;0.2</p> <p>Refractive Index (Standard SH-9), 25°C..... 1.396 to 1.402</p> <p>Heavy metals (Standard SH-70), ppm Pb ..... &lt; 5</p> <p>Freezing point (°C) .....&lt;-30</p> <p>Octamethylcyclotetrasiloxane content (%)..... &lt; 0.9</p>

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## Characteristics (cont')

Solubility of Mirasil C-DML LV with various cosmetic ingredients			
Type of material	1/10*	1/1	10/1
Water	I	I	I
<b>Hydrocarbons</b>			
Mineral oil	I	I	S
Isododecane	S	S	S
<b>Alcohols &amp; glycols</b>			
Ethanol	I	I	S
Glycerol	I	I	I
Dipropylene glycol	I	I	I
Propylene glycol	I	I	I
Octyl dodecanol	I	I	S
<b>Oils</b>			
Jojoba oil	I	I	S
Almond oil	I	I	I
Castor oil	I	I	I
Wheat germ oil	I	I	I
<b>Esters</b>			
Isopropyl myristate	S	S	S
Isopropyl palmitate	I	S	S
C <sub>12</sub> -C <sub>15</sub> Alkyl benzoate	I	I	S
Caprylic triglycerides	I	I	S
<b>Sunscreens</b>			
Octyl methoxycinnamate	I	I	I
<b>Silicones</b>			
DMCO (PEG/PPG 22/24 Dimethicone)	I	I	I
CM5 (Cyclopentasiloxane)	S	S	S
ADMH 395 (Propoxytetramethylpiperidiny dimethicone)	S	S	S
PTM (Phenyl Trimethicone)	S	S	S
ADME-P (Water, amodimethicone (and) Trideceth-6)	I	I	I
C-DMP (Cyclopentasiloxane (and) PEG/PPG 18/18 Dimethicone)	S	S	S
DM 5 (dimethicone low viscosity)	S	S	S
DM 350 (dimethicone medium viscosity)	S	S	S
*=10% of Mirasil C-DML LV and 90% of tested material			
<b>S= Soluble</b>			
<b>I= Completely or partially insoluble</b>			

# MIRASIL<sup>®</sup> C-DML LV

## Packaging

**MIRASIL C-DML LV** is available in:  
 - 4 Plastic drums 200 kg / Pal. 800 kg  
 - 900 kg IBC

## Storage and shelf life

When stored in its original unopened packaging, at a temperature below +40°C, the **MIRASIL C-DML LV** may be stored for up to 36 months from the date of manufacture clearly marked on the packaging.  
 Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

## Safety

Please consult the Safety Data Sheet of **MIRASIL C-DML LV**.

Visit our website

[www.bluestarsilicones.com](http://www.bluestarsilicones.com)

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