## Description

CTFA/INCI Name: CYCLOPENTASILOXANE (and) DIMETHICONOL.  
CAS N° 541 – 02 – 6 (and) 70131 – 67 – 8

MIRASIL C-DML is a solution of a Dimethiconol gum of very high viscosity at 15% in Cyclopentasiloxane. 

Easy to handle blend of high molecular weight Dimethiconol.

## Examples of applications

In skin care applications, MIRASIL C-DML 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-DML** will contribute to improve both wet and dry combing. 

**MIRASIL C-DML** 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.

## Advantages

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.

## Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Appearance (Standard SH-1)</td>
<td>Clear liquid visibly free from suspended matter</td>
</tr>
<tr>
<td>Colour (Standard SH-42), Hazen</td>
<td>&lt; 30</td>
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<tr>
<td>Odour</td>
<td>None to slight</td>
</tr>
<tr>
<td>Identity, I.R. Spectrum (Standard SH-73)</td>
<td>Conform</td>
</tr>
<tr>
<td>Viscosity, at 25°C (Standard SH-13), mPa.s, approx.</td>
<td>6000</td>
</tr>
<tr>
<td>Solid content, 150°C - 1 g -2 h (Standard SH-6), %, approx.</td>
<td>15</td>
</tr>
<tr>
<td>Specific gravity at 25°C, kg/m³, approx.</td>
<td>960</td>
</tr>
<tr>
<td>Absorption UV DO (Standard SH-69)</td>
<td>&lt;0.2</td>
</tr>
<tr>
<td>Refractive Index (Standard SH-9), 25°C</td>
<td>1.396 to 1.402</td>
</tr>
<tr>
<td>Heavy metals (Standard SH-70), ppm Pb</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Freezing point (°C)</td>
<td>&lt; -30</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane content (%)</td>
<td>&lt; 0.9</td>
</tr>
</tbody>
</table>
## Characteristics (cont’)

*Miscible with:*
- Alkyl esters (Myristate, Palmitate), Dimethicone, Phenyl Trimethicone.

*Partially miscible with:*
- Mineral oil, Jojoba oil, Sunflower oil, Ethanol, Capric/Caprylic Triglycerides, Octyl Palmitate.

*Not miscible with:*
- Water, Some vegetable oils, Propylene Glycol

## Packaging

**MIRASIL C-DML** 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** 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**.

Visit our website [www.bluestarsilicones.com](http://www.bluestarsilicones.com)

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**Warning to the users**

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