**MIRASIL® PTM**

**Description**

C.T.F.A. / I.N.C.I. Name : PHENYL TRIMETHICONE

CAS N° 70131 – 69 – 0

MIRASIL PTM is a polymethylphenylsiloxane.

**Examples of applications**

MIRASIL PTM is typically used as a hair gloss agent, it imparts gloss, softness and better manageability to hair. It reduces tackiness in skin care applications and imparts water-resistant properties to suncare formulations.

- Hair lotions: recommended use levels 0.5 – 5%.
- Skin care: creams, recommended use levels 0.5 – 2%, for protection effect: recommended use levels 2 – 10%.
- Shaving products: recommended use levels 1 – 3%.
- Deodorants and antiperspirants: recommended use levels 5 - 10%.

**Advantages**

Mirasil PTM is a polymethylphenylsiloxane providing an easy-to-spread emolliency, non-greasy feel, and allowing natural skin transpiration through soft transparent film.

Compared to Dimethicone, the phenyl substitution gives a wide range of compatibility with many emollients and ingredients.

It has an excellent solubility in alcohol.

**Characteristics**

Appearance (25°C) ................................................................. Clear liquid

Colour, (Standard SH-42), APHA, approx .................................................. 30

Turbidity, NTU .......................................................... ≤ 5

Viscosity, at 25°C (Standard SH-14), cSt, approx. .................................................. 22

Refractive Index, 25°C (Standard SH-9), approx.................................................. 1.459

Surface tension at 25°C, mN/m, approx .................................................. 21

Identity, IR spectrum ................................................................. Conform

Density (25°C), approx. .................................................. 0.99

Flash point (closed cup), °C, approx .................................................. ≥ 100

*Soluble in:*

Absolute Ethanol, Diethylene Glycol Monoethyl Ether, Ethyl Acetate, Isopropyl Adipate, Isopropyl Myristate and Palmitate, Decyl Oleate, C12 – C15 alcohol Benzoate, Polyoxymethylenated Oleic Glycerides, Almond oil, Mineral oil, Stearic acid (measured at + 70°C).

*Partly miscible with:*

Cethyl alcohol (measured at 70°C), Ethylene Glycol Diacetate, 95% Ethanol, (at temperature as low as 4°C, up to 50% by weight of this fluid can be dissolved in 95% ethanol).

*Insoluble in:*

Propylene Glycol, Glycerol and water.
**MIRASIL® PTM**

### Packaging

MIRASIL PTM is available in:
- 4 drums 200 kg / Pal. 800 kg
- 25 kg pails

### Storage and shelf life

When stored in its original unopened packaging, at a temperature below +40°C, the MIRASIL PTM may be stored for up to 18 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 PTM.

---

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

---

**EUROPE**
Bluestar Silicones France
21 Avenue Georges Pompidou
F69486 Lyon Cedex 03
FRANCE
Tel. (33) 4 72 13 19 00
Fax (33) 4 72 13 19 88

**NORTH AMERICA**
Bluestar Silicones USA
2 Tower Center Boulevard
Suite 1601
East Brunswick, NJ 08816-1100
United States
Tel. (1) 732 227-2060
Fax. (1) 732 249-7000

**LATIN AMERICA**
Bluestar Silicones Brazil Ltda.
Av. Maria Coelho Aguiar, 215
Bloco G – 1°andar
05804-902-Sao Paulo – SP-
Brazil
Tel. (55) 11 37477887

**ASIA PACIFIC**
Bluestar Silicones Hong Kong Trading Co. Ltd
29th Floor, 88 Hing Fat Street
Causeway Bay
Hong Kong
Tel. (852) 3106 8200
Fax (852) 2979 0241

---

**Warning to the users**

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. BLUESTAR SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and BLUESTAR SILICONES is at their disposal to supply any additional information.