**Description**

C.T.F.A. / I.N.C.I. Name: DIMETHICON 
CAS N° 63148 – 62 – 9

**MIRASIL DM 60 000** is a high molecular weight linear polydimethylsiloxane, typically used as conditioning agent for skin and hair formulation.

**Examples of applications**

- Hair care: for maximum conditioning effect. Recommended use levels 1 – 2%.
- Skin care: for ultimate skin protection and softness. Recommended use levels 1 – 10%.
- Sun care: for water-proof effect. Recommended use levels 5 – 15%.

**Characteristics**

Appearance (Standard SH-1) .................................................. Clear colourless viscous liquid, free of foreign matter

Colour (Hazen) ................................................................. 30 max.

Turbidity (NTU) ............................................................... 7 max.

Odour (Standard SH-80) ........................................................ nil to almost nil

Specific gravity (at 25°C, kg/m³) .............................................. ≈ 0.975

Viscosity (at 25°C, mm²/s, Standard SH-13) ............................ 57 000 – 63 000

Refractive index at 25°C .................................................. 1.410 max.

Surface tension (at 25°C; mN/m) ........................................ 21.3 – 21.5

Freezing point (°C) .............................................................. -50 to -40

Flash point (closed cup, °C) .................................................. ≈ 300

Volatile matters (150°C-1g-2h; % Standard SH-4B) .................. 2.0 max

Acidity (in NaOH - 0.01N; ml, Standard SH-63) ....................... 0.15 max.

Heavy metals (Pb; ppm, Standard SH-70) ............................... 5 max.

Fluorescence test (mg/kg, Standard SH-68) ........................... 0.1 max.

Identity (I.R. Spectrum, Standard SH-73) ............................... Conform

**Soluble in:**

Halogenated solvents: Chlorofluoroalkanes, Aliphatic and aromatic solvents,
Esters: Amyl Acetate.
Ethyl-2 hexanol.
Ethers

**Insoluble in:**

Water, Ethanol, Vegetable oils, Fatty acids, Ethylene Glycol, Propylene Glycol, Glycerine.
## Packaging

**MIRASIL DM 60 000** is available in:
- 4 Metal drums 200 kg / Pal. 800 kg (118 x 118 cm)

**SPECIAL PACKAGING (on request)***
- 12 Metal drums 25 kg / Pal. 300 kg (118 x 118 cm)

## Storage and shelf life

When stored in its original unopened packaging, at a temperature of below +40°C, **MIRASIL DM 60 000** 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 DM 60 000**.