MIRASIL® ADM 211

Description
C.T.F.A. / I.N.C.I. Name: AMODIMETHICONE
CAS N° 102782-92-3
MIRASIL ADM 211 is an amine functionalized polydimethylsiloxane with low viscosity.

Examples of applications
MIRASIL ADM 211 is a fluid stable in a wide range of cosmetic formulations.
- Enables clear shampoo formulations and cold process manufacturing.
- Provides smooth feel to dry hair.
- Eases wet and dry combing.
- Brings long lasting conditioning without build-up.
- Improves colour depth and longevity when used in semi-permanent colour product.
- Protects hair from heat damage.

Recommended use levels:
- Hair care products: 0.5% - 3%

Characteristics
Appearance (Standard SH) ........................................ Clear colourless to pale yellow liquid
Colour (Gardner) ................................................................................. 1/2 max.
Turbidity (NTU) .................................................................................. 10 max.
Odour .................................................................................................. Amine
Specific gravity (25°C ; kg/m³) .............................................................. ≈ 975
Viscosity at 25°C (mm²/s) ................................................................. 900 - 1300
Amine content (meq / 100 g) .............................................................. 12-17
Refractive index at 25°C ...................................................................... ≈ 1.405
Flash point (closed cup, °C) .............................................................. 106
Volatile matters (1 g, 30 min, 150°C, %) ........................................... 5 max.
D4 content (%) .................................................................................. 0.9 max
Heavy metals (Pb ; ppm) ..................................................................... 5 max.
Identity (I.R. Spectrum) ....................................................................... Conform

MIRASIL ADM 211 is compatible with a variety of typical hair care formulation ingredients, including quaternary ammonium salts, cyclomethicone, isododecane and partially with alcohol.

Packaging
MIRASIL ADM 211 is available in:
- 4 drums 200 kg / Pal. 800 kg

SPECIAL PACKAGING (on request):
- 12 drums 25 kg / Pal. 300 kg
**MIRASIL® ADM 211**

### Storage and shelf life

When stored in its original unopened packaging, at a temperature between +2°C and +30°C, **MIRASIL ADM 211** may be stored for up to 12 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 ADM 211**.

---

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

---

**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.