

PARAFOL

Your natural answer
to synthetic volatile oils



SASOL

PARAFOL – Your natural answer to synthetic volatile oils

PARAFOL paraffins are bio-based, biodegradable, high-purity hydrocarbons, designed to mirror the volatility, spreading, and sensory profile of silicone oils and isoalkanes.

Similar sensory. Same performance. More sustainable.



Conventional synthetic emollients	Volatility and spreadability	Sensory profile	Linear, bio-based, biodegradable Alkanes
Trisiloxane (L3) and Isododecane (IDD)	Very high	Silky, very dry	PARAFOL 10 RSPO-MB INCI: Decane
Dimethicone (L4) and Cyclopentasiloxane (D5)	High	Silky, dry	PARAFOL 12 RSPO-MB INCI: Dodecane
Dimethicone (L5, L6) and Isohexadecane (IHD)	Medium	Velvety, non-greasy	PARAFOL 14 RSPO-MB INCI: Tetradecane
Dimethicone (L7, L8, L10)	Low	Fluid, non-oily	PARAFOL 16 RSPO-MB INCI: Hexadecane

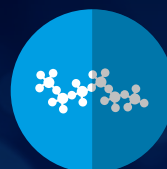
Why choose PARAFOL for your cosmetic formulations



Bio-based
(NOI = 1; RSPO-MB, Vegan, COSMOS)



Biodegradable
(Silicone-free)



Performance
(Sensory profile, nonpolar, high purity)

Further advantages

- Clear, colourless, odourless
- Excellent oxidation and pH stability
- Compatible with oils, waxes, UV-filters, pigments
- Halal certified

Formulation examples

Transforming beauty through innovation



NEW

PARAFOL 10 RSPO-MB

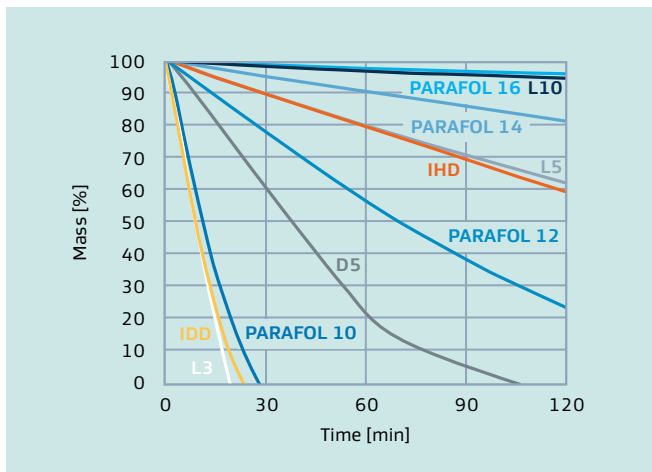
- ✓ Exceptional volatility
- ✓ Fast spreading
- ✓ Advanced hair conditioning and detangling

PARAFOL compared to traditional silicones

Our product line is engineered to align with the key physicochemical parameters that define the performance of established volatile emollients.

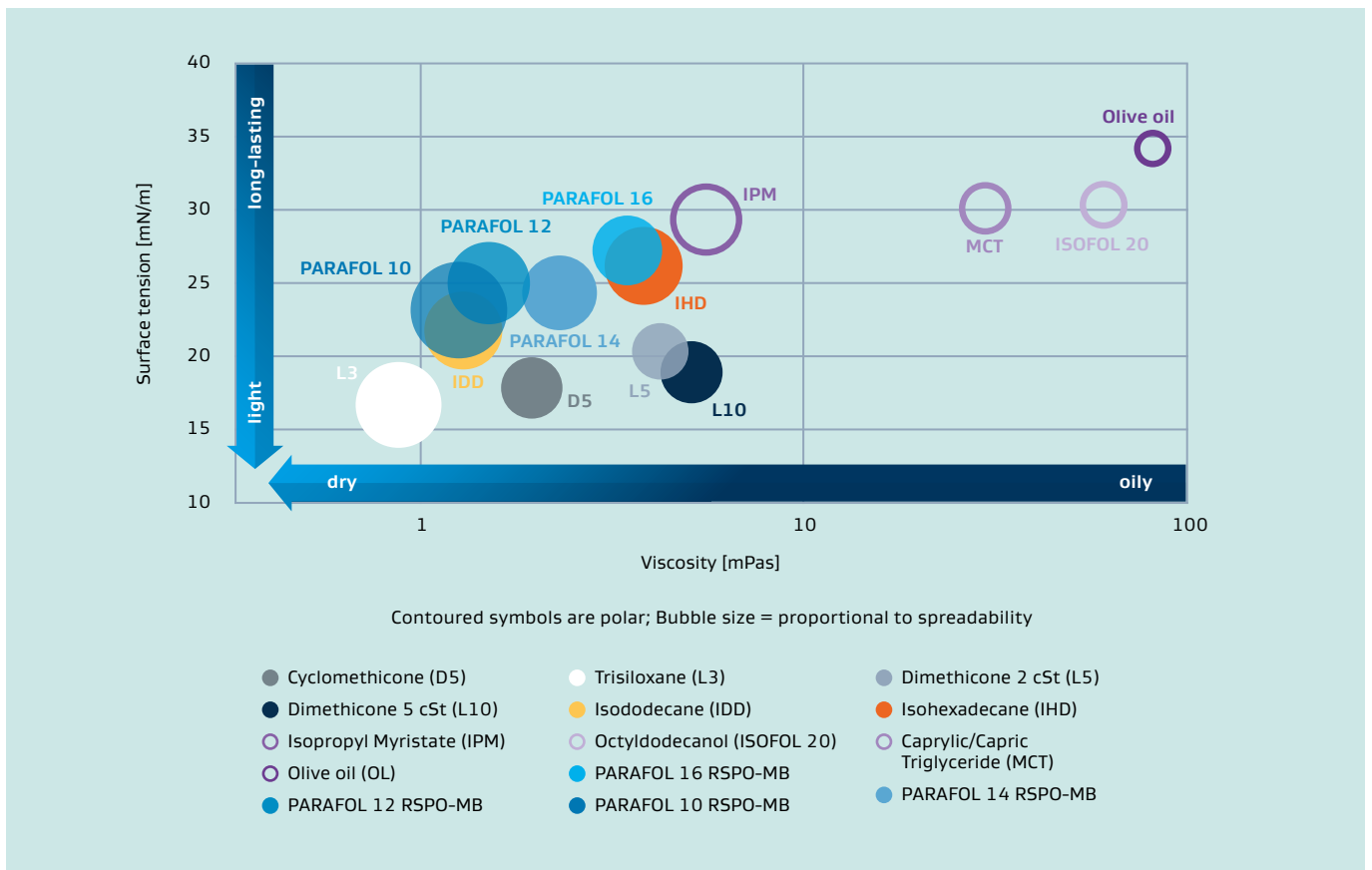
Designed for matching key parameters.

Excellent evaporation profiles (at 37 °C)



Parameter	Role
Volatility	Tunes evaporation profile over time. Allows for light and non-greasy skin-feel.
Surface tension	Regulates wetting, film formation and homogeneity, and deposition of pigments.
Viscosity	Influences flow behavior, texture, and stability of formulation.
Spreadability	Controls distribution on hair and skin, glide, and coverage.
Polarity	Governs compatibility with e. g., oils, waxes, pigments.

Emolliency map (at 20 °C)





SASOL

CONTACT US

Sasol Chemicals

Care Chemicals – Personal Care & Health



Source reference: Cover: Adobe Stock/Drobot Dean

Sasol is a registered trademark of Sasol Ltd. Product trademarks displayed in this document are the property of the Sasol Group of companies, except where it is clear from the context that not. Users of this document are not permitted to use these trademarks without the prior written consent of their proprietor. All rights not expressly granted are reserved. Reference to trademarks used by other companies is neither a recommendation, nor should it give the impression that products of other companies cannot be used.

Disclaimer: The information contained in this document is based on Sasol's knowledge and experience at the time of its creation. We reserve the right to make any changes to this document or the products described therein, as a result of technological progress or developments. This information implies no liability or other legal responsibility on our part, including with regard to existing third-party patent rights. In particular, no guarantee or warranty of properties in the legal sense is implied. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming products. All our business transactions are governed exclusively by our General Business Terms (<https://www.sasolgermany.de/de/agb/>).

www.chemicals.sasol.com