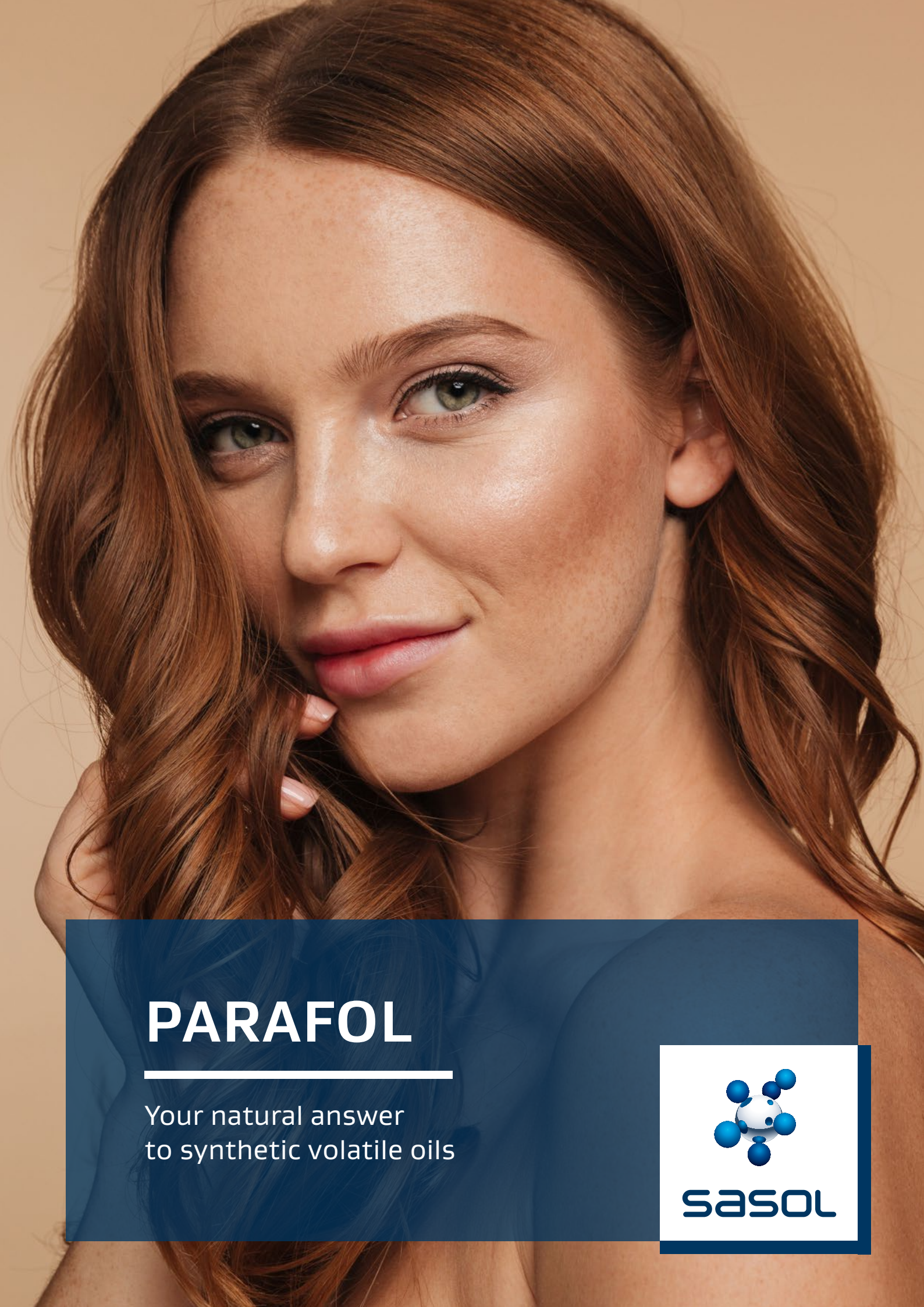


PARAFOL

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.

100% Bio-based

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

NEW

PARAFOL 10 RSPO-MB

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

Formulation examples

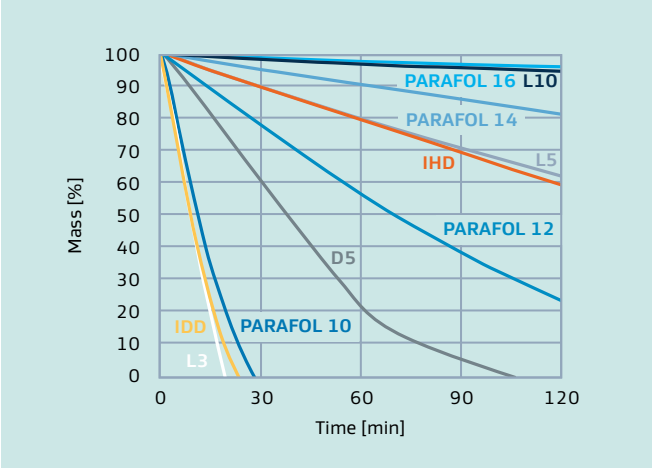
Transforming beauty through innovation

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.

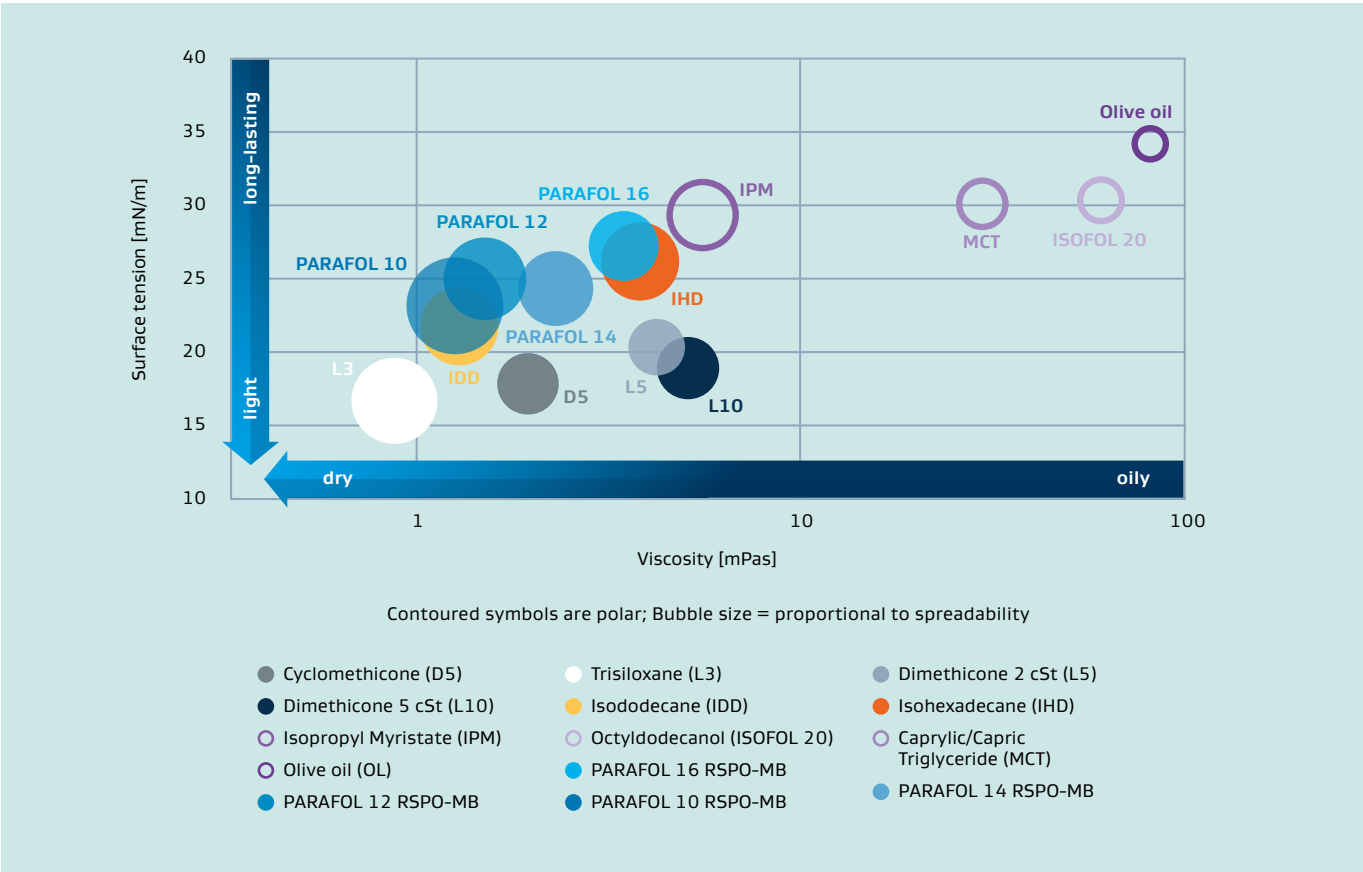
Designed for matching key parameters.

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)



CONTACT US

Sasol Chemicals

Care Chemicals – Personal Care & Health

Source reference: Cover: Adobe Stock/Drobot Dean

www.chemicals.sasol.com