

Gemseal

Pure mineral



TOTAL

Gemseal

Delivering unique sensorial benefits

The softness, easy spreading qualities, dry and silky feel combined with a supremely comfortable and breathing film-forming effect are the main characteristics of **Gemseal** emolliency. The comprehensive range gives you the freedom to precisely monitor your formula's rendering.

► Gemseal 25

A volatile product with a *dry and diaphanous* feel and good spreading quality.

► Gemseal 40

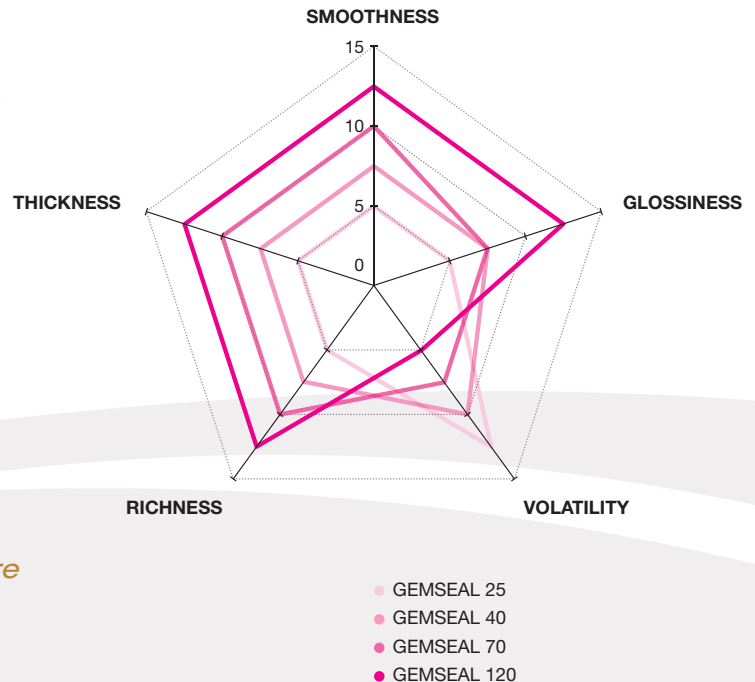
With a higher gloss than Gemseal 25, it has a *dry and powdery* feel.

► Gemseal 70

Slightly less volatile, it has a *more generous smoothness*.

► Gemseal 120

The highest gloss in the range, it has a rounded and softer feel than the others. *Richer and more unctuous*, it still provides a light and delicate experience.



Gemseal

Providing high **safety** guarantees

The Total Group's research into special fluids has made it possible to obtain an unprecedented degree of purity. This has resulted in **Gemseal** technology being selected by the pharmaceutical industry for use in the formulation of pharmaceutical excipients.

Purity

Gemseal products are guaranteed to be free of volatile aromatic compounds, heavy metals, sulphur, nitrogen and chlorine.

Safety

- Skin and eye irritation (OECD guideline N°404 et OECD guideline N°405)
- Mutagenicity (B. N. AMES Method)
- Comedogenicity (Clinical study)
- Oral and topical toxicity (OECD guideline N°401 et OECD guideline N°402)
- Non-occlusive
- Hypoallergenic (Repeated patch test)

Biodegradability

Gemseal products have obtained excellent biodegradability results according to the OECD 301F Guideline.

Gemseal

Facilitating product formulation

The combination of high sensory properties and reliable safety at an affordable price range let **Gemseal** create a position of their own among more classical solutions such as silicones, esters, or vegetable oils.

Stability

Colourless and UV-stable, Gemseal products are extremely easy to use.

Functionality

The Gemseal range of viscosities provides a reliable palette of user-friendly ingredients to help cope with dispersion and solubilisation issues.

Affordability

Their price positioning, combined with their ease of use, make them perfect solutions for highly competitive premium formulae: body lotions, deodorants, toiletries, sun-care formulas etc...

	Gemseal 25	Gemseal 40	Gemseal 70	Gemseal 120
Viscosity (40°C) mm²/s	2.3	4.1	7.1	12
INCI/JCIA name	C13-15 alkane	C15-19 alkane	C17-23 alkane	C21-28 alkane
CAS	64742-46-7	64742-46-7	64742-55-8	64742-55-8

Everything you
always wanted to ask
from an emollient!

Sensoriality

Purity

Stability

Safety

Specialty Alkanes, the Gemseal range offers a comprehensive set of emollient solutions with a subtle graduation of textures and qualities ideally matched for all types of formulae from skincare, hygiene and make up to hair care and solar products.



TOTAL

TOTAL FLUIDES

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