



## Oil-in-Gel Sun Care

Oil-in-Gel sun care contains **Ethocel™** oil thickener and **Gemseal 40** an alkane balancing the greasy feel of the oleogel with its dry touch and bringing a high evaporation rate. This is boosted further by adding **Methylal** into the formulation. **Argan oil** restores the skin's natural moisture and pH balance while **Inchol** imparts a unequalled restorative, restructuring and protective benefits due to its record level of Omega 3, 6, 9 and Vitamin E. Another antioxidant, **Rosamox™**, derived from rosemary extract, prevents oxidative degradation of fats and oils. **Vida-Care USB-30F**, a proprietary blend of sunscreen actives, is designed to provide broad spectrum UVA and UVB protection for a SPF up to 30. Its actives have been selected and blended to work synergistically with each other and provide maximum performance benefits, while remaining within the scope of the EU Cosmetics Regulation. The blend is free from Benzophenones and Cinnamates.

	Trade name	INCI name	Supplier	%
A	1 Ercarel G20	Octyldodecanol	Erca / Univar*	21.5
	2 Ethocel™ Standard 100 Premium	Ethylcellulose	Dow Personal Care / Univar*	5.0
	3 Radia 7732	Isopropyl Palmitate	Oleon / Univar*	5.0
	4 Monoi Infused Oil	Cocos Nucifera Oil & Gardenia Tahitensis Flower Extract	Kerfoot / Univar*	5.0
	5 Argan Organic CPD Oil	Argania Spinosa Kernel Oil	Kerfoot / Univar*	5.0
	6 Calendula Infused Oil	Calendula Officinalis Flower & Helianthus Annuus (Sunflower) Seed Oil	Kerfoot / Univar*	3.0
B	7 Gemseal 40	C15-C19 Alkane	Total / Univar*	10.0
	8 Xiameter® PMX 200 Silicone Fluid 1.5 cs	Dimethicone	Xiameter / Univar*	10.0
C	9 Inchol	Plukenetia Volubilis Seed Oil	Aiglon / Univar*	0.5
	10 Rosamox™	<i>Helianthus annuus</i> (Sunflower) Seed Oil (and) <i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	Kemin / Univar*	0.5
	11 Vida-Care USB-30F	Proprietary Blend of – Diethylhexyl Malate; Octocrylene; Homosalate; Butyl Methoxydibenzoylmethane; Ethylhexyl Triazone;	Lambson / Univar*	30.0
	12 Henne SY149746	Parfum / Fragrance	Kao Fragrances / Univar*	0.5
	13 Methylal Pure Grade Desodorised	Methylal	Lambiotte / Univar*	4.0

### Procedure (Hot Process)

1. Slowly add ETHOCEL™ into oil blend of phase A at room temperature under moderate to vigorous stirring (500 to 3000 rpm) to pre-disperse and de-agglomerate ETHOCEL™ by mechanical force. The oils in this stage should preferably be selected among the fully compatible or partially compatible oils (eg octyldodecanol). They should not be sensitive to temperature.
2. Heat phase A to 85°C with stirring until the blend is homogeneous and most likely transparent and particle free.
3. Cool down < 60°C phase A while stirring.
4. Add ingredients of phase B into phase A while stirring (closed vessel).
5. Cool down to room temperature while stirring.
6. Add C to A/B while stirring.

### Stability

Stable at least 3 months at room temperature, 40°C and 50°C.

### Comments

- Viscosity (spindle 3; 10 rpm; 1 min) = 7,300 cPs (73.0%)
- SPF : 30 (in vitro)
- Sun Care oleogel inspired from "Oil-in-Gel MakeUp Remover" (formulation 161214.CM(U)) issued by Univar Personal Care.

\* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

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