



Sensory ✦ Performance ✦ Benefits



# Explore

Sun Cream

Get ready to explore, you have found your essential sunscreen! Composed of mineral and organic UV filters, this W/O emulsion will keep your skin protected in all situations, from beautiful beaches to your balcony or backyard! The combination of silicone fluids and elastomers provides softness and creaminess to this formula for a sensory experience with #nocompromise.

## DOWSIL™ ES-5600

### Silicone Glycerol Emulsifier

Low viscosity cold-process W/Si and W/O silicone emulsifier. Excellent stabilizing properties and pleasant sensory benefits.

## DOWSIL™ EL-9081

### Silicone Elastomer Blend

High clarity and low odor mixture of a high molecular weight silicone elastomer and a volatile silicone fluid. Acts as sensory and texture enhancer providing a smooth feel without balling effect when rubbed on the skin.

## DOWSIL™ VM-2270

### Aerogel Fine Particles

Hydrophobic silica with superior oil and sebum absorption properties thanks to its huge specific surface 600m<sup>2</sup>/g. Provides a nice sensory profile and improves stability.

## DOWSIL™ FZ-3196 Fluid

Moderate volatility silicone fluid, which provides good spreadability upon application. Improves compatibility with organic UV filters.

## Parsol® ZX

UV filter with a broad UVA-UVB absorption curve that also goes into the blue light spectrum. Particle size ensures SPF and best UVA performance.

## Parsol® TX

Inorganic UVB filter providing very good SPF performance as well as a significant contribution to UVA protection into the blue light range. It also offers high transparency in formulations and is compatible with acrylate thickeners.

## Parsol® 340 (octocrylene)

An effective UVB absorber that easily integrates into the oil phase of sun protection formulations. This oil-soluble, clear yellow viscous liquid is approved worldwide.

## Parsol® SLX

A silicone polymer based UVB absorber that can help to achieve high SPF (>30) formulations that leave a dry, silky touch on the skin. When added to haircare products, it delivers multiple benefits including prevention of color fading, gloss enhancement and conditioning.

## Parsol® EHS

An SPF enhancing UVB filter with good solubilizing properties for a wide range of sunscreen products.



# The Essentials

TRADE NAME	INCI NAME	FUNCTION	SUPPLIER	%
<b>PHASE A</b>				
DOWSIL™ ES-5600 Silicone Glycerol Emulsifier	Cetyl Diglyceryl Tris(trimethylsiloxy)silylethyl Dimethicone	W/O emulsifier	Dow / Univar Solutions	7.50
DOWSIL™ EL-9081 Silicone Elastomer Blend	Dimethicone, Dimethicone/Vinyl Dimethicone Crosspolymer	Sensory enhancer	Dow / Univar Solutions	3.00
Parsol® ZX	Zinc Oxide, Triethoxycaprylylsilane	UV filter	DSM / Univar Solutions	5.00
Parsol® TX	Titanium Dioxide, Silica, Dimethicone	UV filter	DSM / Univar Solutions	8.00
DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	Carrier, sensory enhancer	Dow / Univar Solutions	7.50
DOWSIL™ VM-2270 Aerogel Fine Particles	Silica Silylate	Sensory enhancer, oil absorber	Dow / Univar Solutions	0.30
Parsol® 340	Octocrylene	UV filter	DSM / Univar Solutions	3.00
Parsol® SLX	Polysilicone-15	UV filter	DSM / Univar Solutions	0.95
Parsol® EHS	Ethylhexyl Salicylate	UV filter	DSM / Univar Solutions	5.00
XIAMETER™ PMX-200 Silicone Fluid 2 cSt	Dimethicone	Carrier, sensory enhancer	Dow / Univar Solutions	3.00
Fragrance	Fragrance	Fragrance	Various	0.50
Phenostat™	Caprylhydroxamic Acid, Phenoxyethanol, Methylpropanediol	Preservative	Inolex / Univar Solutions	1.00
<b>PHASE B</b>				
Deionized Water	Water	Solvent		51.25
Sodium Chloride	Sodium Chloride	W/O emulsion stabilizer	Univar Solutions	1.00
Glycerin USP	Glycerin	Humectant	Univar Solutions	3.00

FURTHER INFORMATION	
<b>Procedure (cold process)</b>	1. Mix phase A ingredients together. Make sure that inorganic filters are well dispersed 2. Mix phase B ingredients together 3. Slowly add phase B to phase A while mixing at 700 - 900 rpm
<b>Stability</b>	Stable at least 2 months at 4°C, RT and 40°C (still ongoing).
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Viscosity (spindle 7; 10 rpm; 1min) = 120,000 cPs (30%)</li> <li>• Application: Apply evenly on your face and body. Reapply every two hours to keep an efficient protection</li> <li>• SPF measured in vitro: 32.1 (test performed by our partner Dow)</li> <li>• White cream</li> </ul>
<b>Campaign</b>	The Essentials
<b>Issued by</b>	Univar Solutions
<b>Contact</b>	personalcareNA@univarsolutions.com

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