



## MASCARA CREME 6860A

### Formula

<b>A</b>	<ul style="list-style-type: none"><li>• Water</li><li>• Butylene glycol</li><li>• PEG-400</li><li>• <b>PECOSIL PS100</b> (<i>Dimethicone copolyol PEG-7 phosphate - PHOENIX</i>)</li><li>• Tromethamine</li><li>• Iron oxyde black</li></ul>	10.00 % 4.00 % 4.00 % 1.00 % qs pH=9 10.00 %
<b>B</b>	<ul style="list-style-type: none"><li>• <b>SENSANOV WR</b> (<i>C20-22 Alkyl phosphate and C20-C22 alcohols - SEPPIC</i>)</li><li>• Dimethicone</li><li>• C12-C15 alkyl benzoate</li><li>• Diisostearyl malate</li></ul>	3.00 % 5.00 % 5.00 % 5.00 %
<b>C</b>	<ul style="list-style-type: none"><li>• Aqua/Water</li><li>• Tromethamine</li><li>• Xanthan gum</li></ul>	QSP 100% 0.45 % 0.10 %
<b>D</b>	<ul style="list-style-type: none"><li>• <b>CAPIGEL 98</b> (<i>Acrylates copolymer - SEPPIC</i>)</li><li>• Water</li></ul>	0.50 % 3.00 %
<b>E</b>	<ul style="list-style-type: none"><li>• <b>SEPICIDE HB</b> (<i>Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben /Butylparaben - SEPPIC</i>)</li><li>• <b>SEPICIDE CI</b> (<i>Imidazolidinyl urea - SEPPIC</i>)</li></ul>	0.30 % 0.20 %

### Procedure

Blend liquid components of A then adjust pH to 9 before introduction of pigments. Grind this pigment phase using a bead grinder (prepare a quantity greater than that theoretically required due to losses).

Melt phase B at 80°C.

Disperse the xanthan gum into the water then heat to 80°C; add Tromethamine and pigment phase A (rotor stator 1500rpm). Introduce the fatty phase (B) and start homogenizing (rotor stator 10' 3000 rpm 7kg TRIMIX). Stop heating and add D. Gradually cool and finally add the ingredients of E at around 30°C. Adjust the final pH if necessary.

### Comments

#### SENSANOV WR

Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%) Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV emulsions leaves the skin supple with a long lasting sensation of comfort. Ideal for makeup products, SENSANOV WR is able to emulsify a high percentage of fillers keeping a perfectly smooth texture.

#### CAPIGEL 98

CAPIGEL 98 is a liquid thickener that is used at pH7. Due to its pronounced shear-thinning profile, CAPIGEL 98 is especially well suited to formulate mascara, moreover it stabilizes easily minerals fillers.

SEPPIC SA  
33(0) 1 40 62 55 55

SEPPIC Inc  
1 973 882 5597

SEPPIC UK Ltd  
44 208 577 8800

SEPPIC Italia Srl  
39 02 38009110

Givaudan Lavitrotte SA  
33(0) 4 78 61 55 00

SEPPIC China  
86(21) 64 66 01 49

SEPPIC GmbH  
49(0) 220 3890 3100

SEPPIC Belgium NV  
32 3 250 3911



## PECOSIL PS100

A co-emulsifier with high dispersing power. Ideal for sun care formulas containing mineral charges. It is also useful as a pigment-dispersing agent in make-up formulas.

### Characteristics

Appearance	black shiny cream
Viscosity	approx. 35,000 mPa.s BROOKFIELD LV3 6rpm
pH	approx. 7
Stability	stable at room temperature /40/50°C Stable after freeze-thaw cycles -5 / +40°C (1 month) Stable when centrifuged 20' 3000rpm 50°C

### Notes

PEG-400 : LUTROL E400 (BASF)  
Iron oxyde black: SICOVIT (BASF)  
Fragrance: NINALIX X012822 (QUEST)  
Dimethicone: DC200.350 (DOW CORNING)  
C12-C15 alkyl benzoate (supplied by SEPPIC in some countries – ask us)  
Diisostearyl malate : SCHERCEMOL DISM (SCHER)

## 6860A– SEPPIC – A0310

*Since the proposed formulation has not undergone a toxicological study, the handling and use of the proposed products are given as an indication only and in no way bind SEPPIC's responsibility.*

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