# Formulation

**NIKKOL GROUP**

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**Formula Name:** Water Repellent O/W Sunscreen

Lot.No.03-N41-SSC

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## INCI NAME | TRADE NAME | SUPPLIER | wt%
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BEHENYL ALCOHOL,POLYGLYCERYL-10 PENTASTEARATE,SODIUM | NIKKOL Nikkomulse 41 | NIKKO CHEMICALS | 2.5000
BEHENYL ALCOHOL | NIKKOL Behenyl alcohol | NIKKO CHEMICALS | 2.0000
SQUALANE | NIKKOL Squalane | NIKKO CHEMICALS | 4.0000
TRIETHYLHEXANOIN | NIKKOL Trifat S-308 | NIKKO CHEMICALS | 7.0000
ETHYLHEXYL METHOXYCINNAMATE | | | 6.0000
BENZO PHENONE-3 | | | 2.0000
PROPYL PARABEN | | | 0.1000
METHYL PARABEN | | | 0.2000
BUTYLENE GLYCOL | | | 5.0000
XANTHAN GUM | | | 0.3000
WATER | | | 70.9000

**Total** | | | **100.0000**

## Procedure

1. Heat A and B to 80°C to dissolve.
2. Add A to B with mixing by homogenizer at 80°C.
3. Emulsify
4. Cool down to 35°C with mixing by paddle mixer.

## Note

*Initial viscosity(Btype Viscometer No.4 6rpm./30sec.): 15300 mPa·s
pH(10%):5.9*

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We do not guarantee the stability of the final products of formulations in this brochure though the stability was checked at 45°C for 12 weeks.

We do not guarantee the preservation property of this formulation as we do have not checked it.

We do not guarantee that this formulation does not conflict with any patent.

It is users’ responsibility to determine the suitability for their own use of the formulation.