

**All-round Protection Sunscreen (181109E-3-KN)**

<b><u>INCI Name</u></b>	<b><u>Ingredient</u></b>	<b><u>%</u></b>
A Ethylhexyl Methoxycinnamate	Ethylhexyl Methoxycinnamate	8.00
A Butyl Methoxydibenzoylmethane	JEESCREEN A	3.00
A Octocrylene	JEESCREEN OC	8.00
A Diisostearyl Malate	Corum 5015	3.00
A Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Silica (and) Polyhydroxystearic acid (and) Alumina	GCP55TEL	3.00
B Cetyl Alcohol (and) Glyceryl Stearate (and) PEG-75 Stearate (and) Ceteth-20 (and) Steareth-20	Emulium Delta	6.00
B Cetearyl Alcohol	Nafol 1618H	2.00
B Dimethicone	BELSIL DM 10	2.00
C Cyclopentasiloxane	BELSIL CM 040 CN	3.00
C Tocopheryl Acetate	Tocopheryl Acetate	0.50
D 1,3-Butylene Glycol	1,3-Butylene Glycol	3.00
D Methylparaben	Methylparaben	0.10
E Water	Water	51.86
E Sodium Citrate	Sodium Citrate	0.60
E N,N,N',N'-Ethylenediaminetetrakis (Methylene-Phosphonic Acid) Hydrate	TCI E0393	0.10
E Citric Acid Anhydrous	Citric Acid	0.69
E Allantoin	Allantoin	0.10
F Phenoxyethanol	Phenoxyethanol	0.50
F Silica	MSS-500/3H	1.50
F Fragrance	Nymphette Bloom AF 31495B	0.05
F 3-O-Ethyl Ascorbic Acid	Et-VC™	3.00

**Appearance:** White cream

**pH Value (25°C):** 3.93

Cyber Scan pH510

**Viscosity (25°C):** 262000 cP (S64, 0.3rpm, 2 min)

Brookfield DV-I + Viscometer

**Procedure:**

1. Heat Part A until uniform. Add Part B into Part A at 45 °C.
2. Heat Part D until clear and pour Part E into Part D while stirring.
3. Heat Part A/B and Part D/E to 75 - 80 °C. Add Part C into Part A/B.
4. Mix Part D/E with Part A/B/C using high speed at 75 - 80 °C.
5. Stir for 5 minutes before removing from heat source.
6. At 40°C, add Part F ingredients in sequence and mix well.

This is only a reference formulation. Before commercialization, it is recommended to thoroughly test the formulation or any variation of it to determine its final stability, performance, efficacy and safety.