



GUARDIAN ANGEL

# MULTI DEFENSE LOTION SPF 30

The urban indoor and outdoor combination plus blue light protection from active ingredients, UVA/UVB filters & insect repellent, makes this formulation for the whole family a unique multifunctional lotion.

- **5 Protections.**
- **Perfect Sensorial – Dry touch & Great Spreadability**

FUNCTIONS / BENEFITS	ACHIEVED BY
4 x UV filters	Eclipsogen <sup>®</sup> Avobenzone, Benzophenone- 3, Octocrylene & Diethylexyl Butamid Triazone
Insect repellent	DEET Diethyl Toluamide
Anti-outdoor pollution	RedSnow <sup>™</sup> Propanediol (and) Water (and) Camellia Japonica Flower Extract
Anti-indoor pollution	Eosidin <sup>™</sup> Propanediol (and) Water (and) Citrus Unshiu Peel Extract
Blue Light	B – Circadin <sup>™</sup> Propanediol (and), Acqua (and), Lespedeza Capitata Leaf/Stem Extract



GUARDIAN  
ANGEL

# Multi Defense – Lotion SPF 30

Ph	Ingredient / INCI	Functions / Benefits	As supplied (%)
A	<b>Velsan® CCT</b> Caprylic/ Capric Triglyceride	Emmollient	0.50
A	<b>Aristoflex® BLV</b> Ammonium Acryloyldimethyltaurate/ Beheneth-25 Methacrylate Crosspolymer	Viscosity agent, sensorial additive	0.40
A	<b>Aristoflex® AVC</b> Ammonium Acryloyldimethyltaurate/ VP Copolymer	Viscosity agent, sensorial additive	0.20
A	<b>Plantasens® Olive LD (Clariant)</b> Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables	Emmollient	3.50
A	<b>Tocopheryl Acetate</b>	Antioxidant agent	0.30
A	<b>Eclipsogen® AVB</b> Avobenzone	UV Filter	5.00
A	<b>Eclipsogen® BP3</b> Benzophenone- 3	UV Filter	7.00
A	<b>Eclipsogen® OC</b> Octocrylene	UV Filter	10.00
A	<b>Eclipsogen® DHBT</b> Diethylexyl Butamido Triazone	UV Filter	2.00
A	<b>Plantasens® Abyssinian Oil</b> Crambe Abyssinica Seed Oil	Emmollient	1.00
A	<b>Silcare® Silicone 41M15</b> Caprylyl Methicone	Emmollient	1.00
B	<b>Glycerin</b>	Humectant	2.00
B	<b>Aqua</b>	Solvent	Add 100,00%
C	<b>DEET</b> Diethyl Toluamide	Insect reppellent	5.00
D	<b>Nipaguard® SCP</b> Sorbitan Caprylate (and) Phenoxyethanol	Preservative	1.00
E	<b>RedSnow™</b> Propanediol (and) Aqua (and) Camellia Japonica Flower Extract	Anti- Outdoor Pollution	0.50
E	<b>Eosidin™</b> Propanediol (and) Aqua (and) Citrus Unshiu Peel Extract	Anti- Indoor Pollution	0.50
E	<b>B-Circadin™</b> Propanediol (and), Acqua (and), Lespedeza Capitata Leaf/Stem Extract	Blue light protection	0.50
F	<b>Fragrance</b>	Fragrance	0.40
G	<b>Aluminum Starch Octenylsuccinate</b>	Sensorial Additive	0.85
H	<b>Sodium Hydroxide (20%)</b>	Buffering agent	Qs

CLARIANT<sup>E</sup>



Procedure:

- I- Mix phase A at 75°C
- II Mix phase B at 75°C
- III- Add I into II. Stir for 20 minutes.
- IV- Cool down to 50°C under agitatin
- V- Add phase C to IV. Stir for 5 minutes.
- VI- Add phase D to V. Stir for 5 minutes.
- VII- Add phase E, one by one and stir.
- VIII- Add phase F. Stir for 3 minutes
- IX- Add phase G. Stir for 10 minutes
- X- Adjust if necessary pH with H (5,00- 6,00)

Appearance: Yellow emulsion  
Viscosity: 14.000- 16.000 cPs (# 5, 20 rpm, 1 mim)  
Ph: 5,00- 6,00

Method of use: Apply in clansed face of body. Wash hands after application. Reapply every 2 hours for optimal sun protection.



GUARDIAN  
ANGEL

# PROTECTIVE SHIELD

Hair is challenged day by day by external aggressive factors like pollution, smog and harsh climate conditions.

- **360° Protection - Scalp to Tip.**

FUNCTIONS / BENEFITS	ACHIEVED BY
UV Filter	Eclipsogen® Ethylhexyl Methoxycinnamate
Hair strength	K Oleo Ricinus Communis (Castor) Seed Oil (and) Camellia Japonica Seed Oil (and) Camellia Sinensis Seed Oil (and) Camellia Japonica Flower Extract (and) Camellia Japonica Seed Extract
Hair Protection Scalp to Tip	Active Ingredients BioDTox, Eosidin & Emortal PEP .



# Protective Shield

Ph.	Ingredient / INCI	Functions / Benefits	As supplied (%)
A	Aqua	Vehicle	To 100.00
A	<b>Genapol® G 260</b> Glycereth-26	Humectant	4.00
A	<b>Polyglykol® 400</b> PEG-8	Humectant	1.00
A	<b>BioDTox (Clariant Active Ingredient / BioSpectrum)</b> Propanediol (and) Aloe Barbadensis Leaf Extract (and) Bioflavonoids (and) Brassica Oleracea Italica (Broccoli) Extract	Active ingredient: anti pollution	1.00
A	<b>Eosidin (Clariant Active Ingredient / BioSpectrum)</b> Propanediol (and) Aqua (and) Citrus Unshiu Peel Extract	Active ingredient: anti-indoor pollution	1.00
A	<b>Emortal PEP (Clariant Active Ingredient / BioSpectrum)</b> Propanodiol (and) Water (and) Pisum Sativum (Pea) Peptide	Active ingredient: scalp protection	1.00
B	<b>Aristoflex® Velvet</b> Polyacrylate Crosspolymer-11	Gelling agent	0.50
C	<b>Eclipsogen® EHMC</b> Ethylhexyl Methoxycinnamete	Active ingredient: UV filter	3.00
C	<b>Plantasens® Olive Squalane</b> Squalane	Active ingredient:	0.50
C	<b>Genapol® EP 6205</b>	Solubilizing agent	3.00
C	Fragrance	Fragrance	0.20
C	<b>K-Oleo (Clariant Active Ingredient / BioSpectrum)</b> Ricinus Communis (Castor) Seed Oil (and) Camellia Japonica Seed Oil (and) Camellia Simensis Seed Oil (and) Camellia Japonica Flower Extract (and) Camellia Japonica Seed Extract	Active ingredient: hair strengthening agent	2.00
C	<b>HerbEx Korean Ginseng Extract (Clariant Active Ingredient / BioSpectrum)</b> Panax Ginseng Root Extract (and) Aqua (and) Butylene Glycol	Active ingredients: detoxify agent	1.00
D	<b>Phenoxetol®</b> Phenoxyethanol	Preservative	0.50

CLARIANT®



### Procedure:

- I In a main beaker, mix A with mechanical stirrer.
- II Add slowly B into A and stir at 700 rpm until is a gel has formed. Mix for 15 minutes.
- III Premix the phase C and add slowly into II. Mix for 15 minutes.
- IV Add D into III and stir at 400 rpm for 15 minutes.

**APPEARANCE** White fluid emulsion  
**VISCOSITY** 2.500 cPs (Brookfield, #4, 20 rpm, 25°C)  
**pH** 4.5 – 5.5

### Method of use



GUARDIAN  
ANGEL





# Disclaimer

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. \*Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change.

Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

\*For sales to customers located within the United States and Canada the following applies in addition

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

