

UV Flash Tone Fluid

Velvet feel and
glass skin



DSM

BRIGHT SCIENCE. BRIGHTER LIVING.

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High performing product, which combines sensation, care and protection featuring AMPHISOL® K, VALVANCE® Touch 210, VALVANCE® Look 100, TILAMAR® Fix A1000, PEPHA®-AGE, PENTAVITIN® and a selection of PARSOL® UV FILTERS.

PHASE	INGREDIENTS	INCI NAME	% W / W	SUPPLIER
A1	Tegosoft® M	Isopropyl Myristate	3	100415
	EMOGREEN™ L15	C15-19 Alkane	3.5	100313
	Tegosoft® CT	Caprylic/Capric Triglyceride	2	100415
	Schercemol™ 318 Ester	Isopropyl Isostearate	1.5	100435
	PARSOL® 1789	Butyl methoxydibenzoylmethane	4	100288
	PARSOL® 340	Octocrylene	8	100288
	PARSOL® EHS	Ethylhexyl salicylate	5	100288
A2	PARSOL® Shield	Bis-ethylhexyloxyphenol methoxyphenyl triazine	2	100288
	CRODACOL™ CS50-PA-(RB)	Cetearyl Alcohol	0.25	100402
B1	COD-8006	Ricinus Communis Seed Oil; CI 77491	0.05	101186
	Water Dem.	Aqua	add 100	
B2	Glycerin 99.82%	Glycerin; Aqua	4	101187
	Avicel® PC 611	Microcrystalline Cellulose; Cellulose Gum	1.5	100500
B3	Water Dem.	Aqua	5	
	AMPHISOL® K	Potassium Cetyl Phosphate	1.3	100288
B4	TILAMAR® Fix A1000	Acrylates Copolymer	0.1	100288
	AMP-90	Aminomethyl Propanol; Aqua	0.03	100617
	Water Dem.	Aqua	9.87	
B4	Novethix™ L-10 Polymer	Acrylates/Beheneth-25 Methacrylate Copolymer	0.2	100435

PHASE	INGREDIENTS	INCI NAME	% W / W	SUPPLIER
B5	Water Dem.	Aqua	5	
	PARSOL® HS	Phenylbenzimidazole Sulfonic Acid	1	100288
	Triethanolamine 99%	Triethanolamine; Aqua	0.6	101187
C1	VALVANCE® Look 100	Silica; Titanium Dioxide	2	100288
	VALVANCE® Touch 210	Silica	2	100288
C2	Glucam™ E-10	Methyl Gluceth-10	2	100435
	PEPHA®-AGE	Scenedesmus Rubescens Extract; Aqua; Phenoxyethanol	1	100288
	PENTAVITIN®	Saccharide Isomerate; Aqua; Citric Acid; Sodium Citrate	1	100288
	Sensiva® PA 40	Phenylpropanol; Propanediol; Caprylyl Glycol; Tocopherol	1.5	100444
	Dermofeel® PA-3	Sodium Phytate; Aqua; Alcohol	0.1	100491
	Ethanol	Alcohol	3	101187
	FOREVER	Parfume	0.8	100668
C3	SunPURO® Iridescent Gold	Mica; Titanium Dioxide	0.5	100559
	Timiron® Halo White	Synthetic Fluorophlogopite; Titanium Dioxide; Tin Oxide	0.5	100230
	SunSHINE® Blush Bronze	Synthetic Fluorophlogopite; Titanium Dioxide; Iron Oxides	0.4	100559
D	Sodium Hydroxide 10%	Aqua; Sodium Hydroxide	q.s.	101188

HC-E-101301-4

PROCEDURE

Preparation of phase B3:

1. Weigh 30% of the whole B3 water.
2. Add AMP-90 under stirring.
3. Heat up to 50-55°C and keep stirring.
4. Keep temperature for 1 hour while stirring, then add remaining water of B3.
5. Keep stirring and hold the temperature for ca. further hour (pH will be 9.3).

Preparation of phase B5:

6. Add PARSOL® HS in the water/ triethanolamine phase while stirring.
7. Stir until the UV-filter is dissolved (pH will be 7.5).

Preparation of phase A:

8. Weigh A1 besides of UV filters.
9. Add UV filters step by step while stirring.
10. Heat to 85°C while stirring.
11. When the filters are solubilized, add A2 while stirring, keep the temperature at 85°C.

Preparation of phase B:

12. Weigh water and add glycerin.
13. Add Avicel® PC 611 slowly while stirring until total jellification.
14. While stirring, add B2, then B3.
15. Add B4.
16. Stir further and heat to 85°C.

Emulsification at 85°C:

17. The temperature must stay at 85°C during the emulsification process.
18. Add the oil phase A in the aqueous phase B while stirring.
19. Stir until you have a fine emulsion, which can be seen under the microscope.

Keep stirring until 40°C:

20. While stirring, add B5, then slowly add C1.
21. Add raw materials from C2 step-by-step.

Add C3 and D:

22. Add the pearls and stir until everything is homogenized.
23. If necessary, correct pH with a 10% sodium hydroxide solution (pH>7).

SUPPLIERS

100288	DSM Nutritional Products Ltd
100415	Evonik Goldschmidt GmbH
100313	Seppic
100435	Lubrizol Advanced Materials, IN
100402	Croda International Plc
101186	Maprecos
100500	FMC Biopolymer
101188	Panreac
100444	Schülke & Mayr GmbH
100606	Sigma-Aldrich GmbH
100668	Technicoflor
100491	Dr. Straetmans
100230	Merck KGaA
100559	Sun Chemical Corporation
100617	Angus Chemical Company
101187	Chimie Plus Laboratoires

TECHNICAL DATA

pH:	7.2	Viscosity (Brookfield RV3/20rpm):	1385 cps
Expected SPF:	30	Expected UVAPF (Colipa 2011):	>10

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