



You use sunscreen regularly to protect your face and body, but what about your scalp? Effective UV protection is easy with a few sprays of **scalp•ol•o•gy shield**.

Shield is an SPF30 mist with a unique, light formulation featuring reef-safe UV filters. It protects with a dry, non-sticky feel.

Protect your scalp with **scalp•ol•o•gy shield**.



Technology



AMP-ULTRA[®] PC 2000

An efficient neutralizer that aides in the stabilization of emulsions and prevents discoloration of the product.



ACULYN[™] 38 Polymer

An excellent suspending agent/rheology modifier for smooth-pouring personal care formulations such as conditioning shampoos with silicones, anti-dandruff shampoos with zinc pyrithione, exfoliating body washes, and sunscreens. Supports formulations that are mild, soft, non-greasy and non-sticky without feeling watery upon skin contact.

DOWSIL[™] FA 4003 DM Silicone Acrylate

A flexible silicone acrylate film former for color cosmetics and sun care applications providing excellent water/sebum repellency, film integrity and rub-off resistance. Also offers SPF boosting and anti-pollution claims.



Parsol[®] 1789

The most-used UVA organic sunscreen in the world and the only approved broad spectrum UVA organic sunscreen in the USA. It enables broadband protection when combined with effective UV-B filters, and can also boost SPF values.



LexFilm[™] Sun Natural MB

A 100% plant-based, multi-dimensional polymer for sun care applications. Derived entirely from renewable and sustainable building-blocks, NSF and COSMOS certified.



Versagel[®] SQ 500 T

A squalane-based product with anti-aging properties including improvement in skin elasticity, skin smoothness, and reduction of wrinkles. Also provides superior moisturization and suspension properties.

Use

Spray directly onto exposed scalp, and along hair partings before spending time outdoors. Use fingers to rub and distribute evenly as needed.

Frequency

Daily. Reapply as needed when outdoors.



PHASE	INCI	WT%	TRADE NAME	SUPPLIER
A	Water	48.30	Water	
	Acrylates/Vinyl Neodecanoate Crosspolymer	3.00	ACULYN™ 38 Polymer	Dow
B	Octocrylene	7.00	Parsol® 340	DSM
	Avobenzene	3.00	Parsol® 1789	DSM
C	Octisalate	5.00	Parsol® EHS	DSM
	Homosalate	12.00	Parsol® HMS	DSM
	Potassium Cetyl Phosphate	3.00	Amphisol® K	DSM
	Capryloyl glycerin/sebacic acid copolymer	5.00	LexFilm™ Sun Natural MB	Inolex
	Heptyl Undecylenate	5.00	LexFeel™ Natural	Inolex
	Squalane, Ethylene/Propylene/Styrene Copolymer, Butylene/Ethylene/Styrene Copolymer, Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate	3.00	Versagel®SQ 500 T	Penreco
	Dimethicone, Acrylates/Polytrimethylsiloxymethacrylate Copolymer	5.00	DOWSIL™ FA 4003 DM Silicone Acrylate	Dow
D	Aminomethyl Propanol	qs	AMP-ULTRA®PC 2000	Angus
	Sodium Benzoate	0.50	Kalama®Sodium Benzoate	Emerald
	Fragrance	0.20	Beach Bum	Orchidia
		100.00		

PROCEDURE

Phase A: Mix Phase A ingredients together well, heat to 75°C.

Phase B: In separate vessel premix Parsol 340 and Parsol 1789, heat to 75°C.

Phase C: In separate vessel mix Phase C ingredients together in order, heat to 75°C. Add Phase B to Phase C and let mix at temp for 10 mins.

Add Phase B&C to Phase A with mixing at 75°C for 10 mins. Remove from heat, cool to 40°-45°C.

Phase D: Test pH, range 5.5 to 6.0, adjust accordingly. Add remaining ingredients to main vessel.

PROPERTIES pH: 5.5-6.0