

## After Sun Rescue Gel (SC-F 030N)

This silky rich formula is a hydration and anti-irritation powerhouse, designed to instantly replenish damaged skin barriers worn down after a long day out in the sun. This formulation contains an astounding 30% glycerin along with 15% sorbitol, which utilizes Sensogel's SPE Complex technology to create a dense, applicator-friendly gel that melts into the skin like silicone elastomer without any tacky residue.



The addition of bisabolol, aloe and our two Phytocare snow mushroom extracts creates a powerful blend of anti-irritation and hyaluronic acid-like hydration benefits. This is a stable formula that can easily tolerate additional actives, so formulators can add or swap in other actives like AHA/BHAs, salicylic acid, or DHA.

**SENSOGEL NOVUS** is a very powerful polyol thickener which is used to great effect in this formula. Not only does it boost the viscosity of polyols like glycerin from a soft liquid into a structured gel, but also tamps down on the traditional stickiness associated with these types of ingredients.

**PHYTOCARE-HA CG 1M** is one of two magic hydration powerhouse actives extracted from Snow Mushroom. Phytocare-HA CG 1M forms a moisture-restoring flexible film to hydrate and repair the skin, thus rebuilding skin elasticity.

**PHYTOCARE-HA CG DH** is one of two magic hydration powerhouse actives extracted from Snow Mushroom. Phytocare-HA CG DH penetrates the skin to hydrate deep in the skin layers and promote the generation of hyaluronic acid in the dermis.

### Specifications

-  50°C oven: 1 Month Stable
-  Freeze-Thaw: Passed 3 Cycles

PHASE	INCI NAME (TRADE NAME)	USAGE (WT%)
<b>A<sub>1</sub></b>	Water	29.90
	Sorbitol	15.00
	Aloe Vera Concentrate 10x	5.00
	Preservative	0.50
	Glycerin	27.00
<b>A<sub>2</sub></b>	Glycerin	3.00
	Tremella Fuciformis Sporocarp Extract (PhytoCare-HA CG 1M)	0.30
	Tremella Fuciformis Sporocarp Extract (PhytoCare-HA CG DH)	0.30
<b>B</b>	Sensogel NOVUS	2.70
<b>C</b>	Sunflower Oil	8.00
	Jojoba Oil	8.00
	Bisabolol (Dragosanto1 100)	0.30

### Processing Method

1. On a dispersion blade, mix Phase A<sub>1</sub> until sorbitol is dissolved and the phase is homogeneous.
2. Prepare Phase A<sub>2</sub> slurry in a separate vessel, then slowly add to the main phase while mixing. Increase speed of mixing to 500-600rpm and continue mixing for 10 minutes.
3. Add Phase B to the main phase and gradually increase the mixing speed up to 1300-1500rpm as the viscosity increases. After adding Phase B, increase the speed to 2000rpm and continue mixing for 15 minutes.
4. Mix Phase B in a separate container until homogeneous. While continuing to mix the main phase at 1500-2000rpm, slowly add Phase B into the main phase.
5. Continue mixing at 1500-2000rpm for 10 minutes until homogeneous and smooth.