



# Speedy Dry Shampoo

*Craft invisible dry shampoo formulations that reveal silky, shiny, softer hair*

Solstice Propellant (HFO-1234ze(E)), a breakthrough for aerosol-based products, and Solstice Enhance (HFO-1233zd(E)), a multifunctional solvent and carrier fluid, offer exciting possibilities for formulators. As nonflammable<sup>1</sup> alternatives to hydrocarbons and high global warming potential (GWP) hydrofluorocarbons, they are non-ozone-depleting, VOC-exempt,<sup>2</sup> with an **Earth-friendly** ultra-low GWP of one or less.

PHASE	TRADE NAME	INCI	WT%
Starch Blend	Corn Starch	Corn Starch	0.5
	DRY-FLO® PURE	Aluminum Starch Octenylsuccinate	0.5
	Cab-O-sil® M-5	Silica	0.25
Carrier Solvent	Ethanol 200 Proof	Alcohol Denat.	6.7
	Fragrance	Fragrance	0.35
	<b>Solstice Enhance</b>	Chlorotrifluoropropene	6.7
Aerosolized	<b>Solstice Propellant</b>	Tetrafluoropropene	85
		<b>TOTAL</b>	<b>100</b>

<sup>1</sup>ASTM E-681, EU A11

<sup>2</sup> Solstice Enhance: VOC-exempt (U.S. EPA), Solstice Propellant: VOC-exempt (U.S. EPA and CARB); negligible contribution to smog formation

## FORMULATION PROCEDURE:

**Pre-step:** Chill Solstice Enhance (below 19°C) before combining with the formulation. Store in refrigerator.

1. Fill Starch Blend and Carrier Solvent into aerosol can in the order of addition.
2. Crimp valve on can.
3. Charge with Solstice Propellant.
4. Shake the can vigorously until uniform.

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 DRY-FLO® PURE is a registered trademark of Nouryon.  
 Cab-O-sil® M-5 is a registered trademark of Cabot Corporation.

**For more information:**  
 call 800-631-8138  
 (U.S. and Canada)  
 or your local sales office.

[www.hwll.co/personalcare](http://www.hwll.co/personalcare)

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