



Moisturizing Ice Cream¹

An ultra-cooling, moisturizing cream that spreads smoothly like butter to enhance your experience

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 nonflammable² alternatives to hydrocarbons and high global warming potential (GWP) hydrofluorocarbons, they are non-ozone-depleting, VOC-exempt,³ with an **Earth-friendly** ultra-low GWP of one or less.

PHASE	TRADE NAME	INCI	WT%
Concentrate	DI Water	Water	83.4
	AHCOHOL™ 1618 TA	Cetearyl Alcohol	2
	DOWSIL™ 2503 Cosmetic Wax	Stearyl Dimethicone; Octadecene	3
	Olivem® 1000	Cetearyl Oliviate; Sorbitan Oliviate	4
	DOWSIL™ 9041 Silicone Elastomer Blend	Dimethicone; Dimethicone Crosspolymer	5
	XIAMETER™ PMX-1184 Silicone Fluid	Dimethicone; Trisiloxane	2
	euxyl® PE 9010	Phenoxyethanol; Ethylhexylglycerin	0.5
	Fragrance	Fragrance	0.1
		TOTAL	100
Aerosolized	Concentrate		42
	Solstice Enhance	Chlorotrifluoropropene	8
	Solstice Propellant	Tetrafluoropropene	50
		TOTAL	100

¹ Not for human consumption

² ASTM E-681, EU A11

³ 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.

Concentrate:

1. In a main beaker, weigh Water and start heating to 70–80°C.
2. In a separate beaker, weigh the oil phase (AHCOHOL 1618, DOWSIL 2503, Olivem 1000) and start heating to 70–80°C.
3. Once both phases are at 70–80°C, add the oil phase to the main beaker and homogenize for 1 min.

4. Mix the batch with a paddle mixer. Cool down the batch to room temperature and then add the rest of the ingredients in the order of addition.
5. Homogenize the batch for 1 minute to ensure uniform mixing.

Aerosolized:

1. Fill liquid concentrate into aluminum/ plastic cans in the order of addition.
2. Add Solstice Enhance.
3. Crimp valve on can.
4. Charge with Solstice Propellant.
5. Shake the can vigorously until uniform.

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

www.hwll.co/personalcare

Honeywell Advanced Materials

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