SAMPLE FORMULATION

Using Solstice® Enhance and Solstice® Propellant



Ice Makeup Remover

Experience instant cooling while lifting tough to remove makeup

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 1 alternatives to hydrocarbons and high global warming potential (GWP) hydrofluorocarbons, they are non-ozone-depleting, VOC-exempt, 2 with an **Earth-friendly** ultra-low GWP of one or less.

| PHASE | TRADE NAME | INCI | WT% |
|-------------|-----------------------------------|--------------------------|-----|
| Concentrate | Gransil VX-418 | Bis-Stearyl Dimethicone | 4 |
| | XIAMETER™ PMX-1184 Silicone Fluid | Dimethicone; Trisiloxane | 0.9 |
| | Fragrance | Fragrance | 0.1 |
| | Solstice Enhance | Chlorotrifluoropropene | 55 |
| Aerosolized | Solstice Propellant | Tetrafluoropropene | 40 |
| | | TOTAL | 100 |

¹ASTM E-681, EU A11

FORMULATION PROCEDURE:

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

- 1. Fill liquid concentrate into aluminum/ plastic cans in the order of addition.
- 2. Crimp valve on can.
- 3. Shake the can vigorously until Gransil VX-418 melts.
- 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

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Gransil VX-418 is a registered trademark of Grant Industries, Inc.

XIAMETER™ PMX-1184 Silicone Fluid is a registered trademark of The Dow Chemical Company.

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