



g VerdeTropes

Personal Care Hydrotropes

CLEARANCES: 120 - TSCA, EINECS, REACH, ECL, ENCS, PICCS, ASIA-PAC, NZIoC, DSL, AICS
162 - TSCA, EINECS, REACH, ECL, ENCS, PICCS, ASIA-PAC, NZIoC, NDSL

INCI NAMES; CAS No.; EINECS No.

120 - Potassium Caprylate; 764-71-6; 212-130-7

162 - Potassium Caprylate/Caprates; 764-71-6/13040-18-1; 212-130-7/235-910-9

INTRODUCTION

The **VerdeTropes** work well in formulating “green” personal care products. The **VerdeTropes** provide a safe, vegetable-derived alternative for hydrotrope formulations without the need for petroleum-based hydrotropes like sodium xylene sulfonate (SXS) and sodium cumene sulfonate (SCS).



APPLICATIONS

- Shampoos
- Hand soaps
- Body washes

BENEFITS

- Naturally derived
- Hydrotroping
- Lowers freezing point
- Low irritation
- pH range from 6.5 to 9.0
- **VerdeTropes 120** – no foam
- **VerdeTropes 162** – low foam

TYPICAL PROPERTIES

Appearance	Clear liquid
Solids, %	40.0
pH (as is)	10.0
Viscosity (at 25°C, cps)	50

FOAMING PUMP HAND SOAP FORMULATION

	<u>Weight %</u>
Water	68.8
VerdeTropes 162	8.0
Suga[®]Nate 100 (Sodium Decylglucosides Hydroxypropyl Sulfonate)	13.6
Cola[®]Teric COAB (Cocamidopropyl Betaine)	3.2
Dipropylene glycol	4.0
Colonial Monolaurin (Glyceryl Laurate)	2.4

PROCEDURE: Combine ingredients 1 – 4 with stirring and heat to about 40°C. Combine dipropylene glycol with Colonial Monolaurin and heat to about 50°C with stirring until the Colonial Monolaurin has dissolved. Add this mixture to the first four ingredients with good agitation while cooling to 30°C. Adjust pH to 6.5 – 7.0, and add fragrance as desired.

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g GREEN STAR RATING = 10.0

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