

ENHANCED EMOLLIENT HAND SANITIZER

with Floraesters® IPJ, Floraesters K-100® Jojoba, and Florasomes® Jojoba



Alcohol-based hand sanitizers are proven effective in the reduction of microbial contaminants. In addition to providing effective antimicrobial properties, this formula contains Cargill Beauty ingredients that deliver jojoba emolliency and showcase **Florasomes Jojoba**, soft particles which deliver Vitamin E and are available in various size and color combinations.

Phase	Trade Name	INCI	Supplier	%WT
A	Deionized Water	Water	-----	q.s.
	Florasolvs® PEG-150 Hydrogenated Jojoba	Jojoba Oil PEG-150 Esters	The HallStar Company	0.10
	Carbopol® ETD 2020 Polymer Gel1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer (and) Water (and) Triethanolamine (and) Preservative	The Lubrizol Corporation	20.00
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co.	5.00
	Ethanol Solutions 3, UN 1170, PG II, SDA 40-2, 200 Proof	Alcohol Denat.	Remet Corporation	61.00
B	Floraesters IPJ	Isopropyl Jojobate (and) Jojoba Alcohol (and) Jojoba Esters	Cargill Beauty	1.50
	Fragrance ¹	-----	-----	q.s.
	RTD Alpha-Bisabolol Natural	Bisabolol	The HallStar Company	0.10
	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua)	Cargill Beauty	0.10
	Simulgel 600	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer (and) Isohexadecane (and) Polysorbate 80	Seppic	2.50
D	Florasomes Jojoba MDS 10% Vitamin E, Tequila Sunrise²	Jojoba Esters	Cargill Beauty	0.50
	Florasomes Jojoba SMS 10% Vitamin E, Lapis²	Jojoba Esters	Cargill Beauty	0.50

¹ Fragrance: Green Clover & Aloe HS H15455 [INCI: Fragrance] supplied by Agilex Fragrances

² Any color or combination of colors may be used.

PATENTS AND REGULATIONS The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force. This formula has not been tested for sanitizing efficacy, and the manufacturer is responsible for ensuring the efficacy of any hand sanitizer formula. Cargill has not tested Floraesters IPJ, Floraesters K-100 Jojoba, or Florasomes in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

Formula Number: C021, Revision Date: January 2023

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PROCESS

1. Pour the deionized water of Phase A into a suitable vessel. Add the Florasols PEG-150 Hydrogenated Jojoba and mix with moderate propeller agitation until clear. Add the pre-mixed Carbopol ETD 2020 Polymer Gel to the deionized water and mix until uniform. Add the Glycerine 99.7% USP Kosher to the main mixing vessel and stir until uniform (see footnote 1).
2. Mix all components of Phase B in the Ethanol Solutions 3, UN 1170, PG II, SDA 40-2, 200 Proof. Allow time for the Floraesters K-100 Jojoba to completely dissolve in the Ethanol Solutions 3, UN 1170, PG II, SDA 40-2, 200 Proof. Add the pre-mixed Phase B to Phase A with moderate propeller agitation.
3. While batch (Phase AB) is mixing, slowly add Phase C. Mix until the Simulgel 600 is completely dispersed. Mix batch with homomixer to ensure complete mixing of all components.
4. Slowly add ingredients of Phase D with sweep agitation to finish the batch.

CHARACTERISTICS

- pH: 6 - 7
- Viscosity: 1,000 - 1,900cP

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