

**Prototype**  
**April-2010**

## Clear Lip Gloss Gel Stick with Aqueous Phase ASC 16-76-1

This sophisticated "oil" gel has an eye-catching clear appearance and is also multifaceted functionally. Amino acids and hydrolyzed Hyaluronic Acid is incorporated into the formula using the water-binding ability of Eldews. Various hydrophobic ingredients provide effective moisturization with an added gloss. Sunscreen agents are incorporated to provide UV ray protection with an estimated SPF value of 15.

	<b>Trade Name</b>	<b>Supplier</b>	<b>INCI Name</b>	<b>% w/w</b>	<b>Function (in Formula / on Skin)</b>
A.	<b>Gelatinization Agent GP-1</b>	<b>Ajinomoto</b>	Dibutyl Lauroyl Glutamide	2.4	Oil gelling agent
	<b>Gelatinization Agent EB-21</b>	<b>Ajinomoto</b>	Dibutyl Ethylhexanoyl Glutamide	1.6	Oil gelling agent
	Risonol 20SP	Kokyu Alcohol Kogyo Co., Ltd.	Octyldodecanol	16.0	Initial solvent
B.	Panalane H300-E	Lipo Chemicals, Inc	Hydrogenated Polyisobutane	20.00	High viscosity oil / Gloss
	Lipovol MAC	Lipo Chemicals, Inc	Macadamia Ternifolia Nut Oil	14.70	Natural oil / Moisturization
	Jojoba LITE	Desert King	Jojoba Oil	10.00	Natural oil / Moisturization
	Synthetic Squalane	Arista Industries, Inc	Squalane	5.00	Natural emollient / Moisturization
	dl-alpha Tocopherol	BASF	dl-alpha Tocopherol	0.30	Antioxidant
	Liponate NEB	Lipo Chemicals, Inc	C12-15 Alkyl Benzoate	10.00	Light emollient, gel characteristics modifier
C.	<b>Eldew SL-205</b>	<b>Ajinomoto</b>	Isopropyl Lauroyl Sarcosinate	5.00	Light emollient, sunscreen incorporation
	Escalol 557	ISP Corp	Ethylhexyl Methoxycinnamate	7.00	UV absorber / Skin protection
	Escalol 567	ISP Corp	Benzophenone-3	3.00	UV absorber / Skin protection
	Dow Corning Fluid 245	Dow Corning Corp	Cyclopentasiloxane	1.50	Silicone oil / Spreadability
D.	<b>Eldew APS-307</b>	<b>Ajinomoto</b>	Phytostearyl / Decyltetradecyl Myristoyl Methyl beta-Alaninate	1.50	Stabilizer, emollient, aqueous phase incorporation / Moisturization
	<b>Eldew PS-306</b>	<b>Ajinomoto</b>	Phytosteryl / Behenyl / Octyldodecyl Lauroyl Glutamate	1.00	Stabilizer, emollient, aqueous phase incorporation / Moisturization
E.	Hyaluronic Acid		Hyaluronic Acid	0.10	Active ingredient / long term moisturization
	Deionized water		Aqua	0.40	Solvent for active ingredients
	<b>ProdeW 400</b>	<b>Ajinomoto</b>	Sodium PCA, Serine, Glycine, Glutamic Acid, Alanine, Lysine, Arginine, Threonine, Proline, Betaine, Sorbitol, Methylparaben, Propylparaben	0.50	Active ingredient mix

**Procedure:** Heat Phase A to 110 - 120 °C, mix until fully dissolved, then cool to 85 °C. Combine Phases B and C, heat to 85 °C, and then combine with Phase A. Prepare the mixture of Phases D and E by dissolving Phase D with heat and combining with dissolved Phase E under thorough mixing and cooling to room temperature. Proceed to add combined Phases D+E to the rest of the batch at 85-90 °C. Pour into molds.

**Appearance:** final transparency will develop with allowed standing time, roughly 1 week

**Solidification point:** around 60 °C

**Stability:** > 1 month at 45, 40, 25, and 3 °C

Oct. 2018 rev