

*Prototype
February 2015*

AJINOMOTO®

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Oil-free Moisturizing Gel ASC 29-48-1

An oil-free lotion that applies smoothly, and dries to a soft light feel, suitable for day use.

	Trade Name	Supplier	INCI Name	% w/w	Function (in Formula / on Skin)
A.	Deionized Water		Aqua	95.2	Diluent
	Carbopol ETD 2020	Lubrizol	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.3	Viscosifier
B	AMIHOPE LL	Ajinomoto NA Inc	Lauroyl Lysine	0.5	Emollient/skin conditioner
	NaOH anhydrous pellets		Sodium Hydroxide	0.1	Solubilizer/neutralizer for AMIHOPE
	Deionized Water		Aqua	1.4	Diluent
C	PRODEW 500	Ajinomoto NA Inc	Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Histidine, Phenylalanine	1.0	Moisturized/ skin Conditioner
D	Cetiol HE	BASF	PEG-7 Glyceryl Cocoate	1.5	Emollient
E	Preservative			Qs to manufacturers recommendation	Preservative

Procedure: All at room temperature. Charge batch vessel with water (A) and begin propeller mixing. Slowly dust in Caropol. Insure complete hydration of polymer. Carefully combine Phase B by charging a separate vessel with Water (B), begin mixing. Carefully add NaOH to water, slowly add Amihope to caustic solution, insure pH of resultant solution is >13.4. (a stock solution may be prepared by adding to 70% water, 5% NaOH, and 25% Amihope. Then use 2% of this stock in formula). Slowly add Phase B to phase A with controlled mixing. When uniform slowly add Phase C to batch followed by Phase D and E.

Technical data: pH as is 6.3; Brookfield Viscosity LV-D Spndle # 3 @ 1.5 rpm, @ 30 sec @ 22C: 54,000 mPa.s

Appearance: a white uniform flowing lotion