

**Milky Lotion <O/W > NPL-0327**

A natural concept milky lotion formulation with light feel.

**AMIHOPE LL** imparts impressive silky, smooth feel to the skin.

	(wt%)	
A	MACADAMIA TERNIFOLIA SEED OIL	1.00 Emollient
	SQUALANE	3.00 Emollient
	CAPRYLIC/CAPRIC TRIGLYCERIDE*1	2.00 Emollient
	<b>ELDEW PS-203</b>	<b>0.30</b> Emollient
	BEHENYL ALCOHOL*2	1.30 Emulsion stabilizer
	<b>AMIHOPE LL</b>	<b>0.30</b> Sensory improver
	PROPANEDIOL*3	3.00 Moisturizer
	GLYCERIN	2.00 Moisturizer
	SORBITAN STEARATE*4	0.30 Emulsifier
	POLYGLYCERYL-10 MYRISTATE*5	0.70 Emulsifier
B	WATER	balance
	XANTHAN GUM (2%aq.) *6	10.00 Emulsion stabilizer
C	<b>AMISOFT HS-11P (1.5%aq.)</b>	<b>10.00</b> Co-Emulsifier
D	<b>CAE (0.5%aq.)</b>	<b>10.00</b>
E	CITRIC ACID (8.26%)	3.94 pH Adjuster
	SODIUM CITRATE	0.56 pH Adjuster
F	ALCOHOL	3.00
		100.00

- Oil phase preparation: dissolve part A at 80°C.
- Mix part C and part D with stirring.
- Aqueous phase preparation: add part C, D to part B with stirring and heat to 80°C.
- Add the aqueous phase to the oil phase with stirring by homogenizer at 85°C.(3000rpm for 3min)
- Cool down to 45°C with stirring by a mechanical stirrer.(50rpm)
- Mix part E and part F.
- Add part E, F to part B with stirring by a mechanical stirrer.(100rpm for 1min.)
- Cool down to room temperature.

* 1	TCG-M	Koukyu Alcohol Kogyo
* 2	KALCOL 220-80	Kao
* 3	Zemea propanediol	Du Pont
* 4	NIKKOL SS-10V	Nikko Chemicals
* 5	NIKKOL Decaglyn 1-M	Nikko Chemicals
* 6	KELTROL CG-SFT	CP Kelco

pH	4.8
Viscosity	4,000 ~ 5,000 mPa·s
Stability	-5, 0, 25, 40, 45°C, Cycle, for 1 month

Note: The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual property rights.