

# Amino Cold Process Sunscreen Lotion ASC-TY113

**AMIHOPE™ SB-102** improves the smoothness of application of sunscreen lotion and reduces its tackiness.

	Trade Name	INCI Name	Wt%	Function
A	WATER	Water	57.3	Solvent
B	GLYCERIN *1	Glycerin	2.2	Humectant
	PROPYLENE GLYCOL *2	Propylene Glycol	2.2	Humectant
	KELTROL CG-T *3	Xanthan Gum	0.5	Viscosity Modifier
C	<b>AMISOFT™ HS-11P</b>	<b>Sodium Stearoyl Glutamate</b>	<b>2.8</b>	<b>Amino Acid Based Emulsifier</b>
D	<b>ELDEW™ SL-205</b>	<b>Isopropyl Lauroyl Sarcosinate</b>	<b>7.6</b>	<b>Amino Acid Based Emollient</b>
	<b>ELDEW™ PS-203R</b>	<b>Phytosteryl/Octyldodecyl Lauroyl Glutamate</b>	<b>3.3</b>	<b>Amino Acid Based Emollient</b>
	PARSOL 1789 *4	Butyl Methoxydibenzoylmethane	3.3	UV absorber
E	PARSOL 340 *4	Octocrylene	10.0	UV absorber
	PARSOL EHS *4	Ethylhexyl Salicylate	5.5	UV absorber
	<b>AMIHOPE™ SB-102</b>	<b>Zea Mays (Corn) Starch, Lauroyl Lysine, Microcrystalline Cellulose</b>	<b>5.0</b>	<b>Sensory Modifier</b>
F	Phenoxyethanol-s *5	Phenoxyethanol	0.3	Preservative
<b>Total</b>			<b>100</b>	

\*1 Kao, \*2 ADEKA, \*3 CP Kelco \*4 DSM \*5 Yokkaichi Chemical

## <PROCEDURE (Conducted at room temperature)>

1. Disperse phase B and add to phase A.
2. Mix phase A+B and until the Xanthan gum is completely hydrated.
3. Add phase C and mix until completely dispersed and mixture is uniform.
4. In a separated vessel, mix phase D until all solids are dissolved.
5. Add phase D to the phase A+B+C and mix until the mixture becomes uniform.
6. Add phase E and mix until completely dispersed.
7. Add phase F and mix until the mixture becomes uniform.

## <PHYSICAL PROPERTIES and STABILITY>

Appearance: white, liquid

Viscosity 40,900 mPa·s (B type, Rotor No.4, 3rpm, 30sec)

Stability: 0 °C, 25 °C, 40 °C, 45 °C, Cycle(-5 °C~40 °C), 3 Month



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