## **AGRANA STARCH**



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## Sun Max Anti-Sand Kids Lotion SPF 50 (RB 8146) with RICE PO4 NATURAL

"Formulated and developed by Covestro"

Ingredients	INCI-Name	%w/w	Supplier
Phase A			
	Aqua	36,15	
Alvicel PC 611	Microcrystalline Cellulose, Cellulose Gun	0,15	
	Disodium EDT	0,05	
	Glycerin	1,00	
Phase B			
	Ethylhexyl Salicylate	5,00	
	Coco- Caprylate	5,00	
	Dibutyl Adipate	3,00	
	Propylheptyl Caprylate	4,00	
	C12-13 Alkyl Lactate	4,00	
	Diisopropyl Sebacate	5,00	
	Diethylhexyl Butamido Triazone	6,00	
Phase C			
	Bis-Ethylhexylphenol Methoxyphenyl Triazine	2,00	
	Butyl Methoxydibenzoylmethane	4,00	
	Diethylamino hydroxybenzoyl Hexyl Benzoate	2,00	
	Ethylhexyl Triazone	3,00	
Tego Care PBS 6	Polyglyceryl-6 Stearate (and) Polyglycer Behenate	2,00	Evonik
	Polyisobutane	1,00	
Pemulen TR -2	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,10	
Phase D			
	Methylpropanediol/ Caprylyl Glycol/ Phenylpropanol	1,50	
	Dimethicone	2,00	
	Dimethicone (and) Polysilicone-11	3,00	
RICE PO4 NATURAL	Distarch Phosphate	3,00	AGRANA
	Fragrance	0,05	



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Phase E

Baycusan C 1004	Polyurethane-35	7,00	Covestro

## **PROCEDURE**

- 1. Heat Phase A to 40°C while mixing in a separate vessel.
- 2. Heat Phase B to 90°C and stir for 30 minutes.
- 3. Add phase C to phase B while maintaining the temperature to 80°C.
- 4. Add phase B+C to Phase A under continuous homogenizing and cooling.
- 5. Once B+C has reached 40°C add phase D and homogenize strongly for 5 minutes.
- 6. Finally add Phase E and stir strongly without homogenization.
- 7. Adjust pH to 6,50 7,00 with sodium hydroxide.

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