



Cosmetic Division

SPRAY HAND SANITIZER FOR KIDS

Phase	INCI	%	Function
I	Aqua	Up to 100	Solvent
	Glycerin	2	Humectant
	Ethanol	70	Solvent
II	AMP (50%w/w)	0.25	Neutralizing Agent
III	Synthalen W2000	7	Rheology Modifier
Viscosity (Brookfield, rpm, 25°C) mPa·s:		1000 - 1500	
pH (100%):		6.5 - 7	

3V SIGMA PRODUCTS:

SYNTHALEN W2000 is an anionic acrylic copolymer supplied as a low viscosity emulsion. Its water dispersions are characterized by high viscosity and clarity, and by an improved rheology, unusual in polymers that work with associative mechanism. Therefore, it is suitable for formulating clear gels as well as for stabilizing oil-in-water emulsions.

PROCEDURE:

- Add together ingredients of Phase I and mix together until a homogeneous solution is achieved
- Add the neutralizing agent under stirr and mix for 10 minutes
- Under gentle and continuous stirring slowly add the Rheology Modifier; once the polymer is added keep stirring for 20 minutes
- Check the pH and adjust it, if it is necessary, with AMP (50%)

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