

## Guide Formulation

# Solvent based nail polish with AEROSIL® R 974

AEROSIL® R 974 for rheology control and anti-settling of the pigments

PHASE	INGREDIENTS	INCI NAME	% W/W	FUNCTION
1		Nitrocellulose	14.42	Film former
		Ethyl acetate	39.75	Solvent
		Butyl acetate	32.21	Solvent
		Polymethyl methacrylate	9.62	Binder
2	AEROSIL® R 974	Silica dimethyl silylate	2.00	Stabilizer, viscosity enhancer
		Glitter	2.00	
<b>Total</b>			<b>100.00</b>	

## PROCESSING

- Dissolve nitrocellulose in ethyl acetate to get the nitrocellulose dispersion
- Mix the nitrocellulose dispersion with other solvent
- Add polymethylmethacrylate binder, disperse until solid is dissolved
- Wet AEROSIL® R 974 into phase 1, then homogenize very well
- Add glitter, disperse well

**Note:** All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and/or using raw materials from other sources.

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