

# BASIC NAIL LAQUER WITH BENTONE® 27 V

## KR9/105

### Advantages

The presence of BENTONE® 27 V, rheological additive in this system:

- Suspends pigments and allows smooth application
- Gives a good thixotropic index

Ingredient	Supplier	% w/w
<b>PREGEL PHASE</b>		
<b>BENTONE® 27 V (Stearalkonium Hectorite)</b>	<b>ELEMENTIS Specialties</b>	<b>1.5</b>
Ethyl Acetate	Eastman Chemical	5.6
Butyl Acetate	Eastman Chemical	5.6
Isopropyl Alcohol	Eastman Chemical	2.3
<b>DILUTING LAQUER PHASE</b>		
Ethyl Acetate	Eastman Chemical	17.9
Butyl Acetate	Eastman Chemical	29.2
Isopropyl Alcohol	Eastman Chemical	4.85
RS Nitrocellulose ½ Sec	Wolff Cellulosics	6.3
RS Nitrocellulose ¼ Sec	Wolff Cellulosics	5.2
Tosylaminde/Formaldehyde Resin	Akzo Nobel	6.2
Dibutyl Phthalate	Eastman Chemical	4.0
Camphor	Merck	1.1
<b>POLAR ACTIVATOR PHASE</b>		
Citric Acid		0.15
Malic Acid		0.15
Phosphoric Acid		0.15
<b>PIGMENT PHASE</b>		
Ethyl Acetate	Eastman Chemical	3.3
Butyl Acetate	Eastman Chemical	4.5
Dibutyl Phthalate	Eastman Chemical	0.5
D&C Red #7 Calcium Lake	Kingfisher Colours	0.3
RS Nitrocellulose ½ Sec	Wolff Cellulosics	0.7
Titanium Dioxide	Kingfisher Colours	0.8

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## Method of Manufacture

1. Prepare pregel phase by adding the BENTONE® 27V to the acetates, mixing for 30 minutes under low shear, then adding the Isopropyl Alcohol. Mix for five minutes and homogenise at high shear.
2. Add together the ingredients for the diluting lacquer in the stated order with low shear mixing, allowing the resin and camphor time to solubolise. Add the pregel concentrate to the diluting lacquer phase.
3. Prepare the pigment dispersion phase using high shear to disperse the colourant, then combine it with the other phases for finished product.

N.B.

Please refer to the Product Data Sheets for additional advice on incorporation.

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