



Waterproof Eyeshadow

Formula#: NSL12-45-2

Phase	Trade Name	Supplier	%
A	SP 96	Strahl & Pitsch	3.8
A	AC 400	Honeywell	3.5
A	SP 272	Strahl & Pitsch	1.6
A	Ganex V220	ISP	4.6
A	SP422	Strahl & Pitsch	3.5
A	SP 63	Koster Keunen	3.2
A	NS TerEster TAC	Next Step Lab	3.6
A	Permethyl 99A	Presperse	11.7
A	Belsil TMS 803	Brenntag	7.0
B	NS MGel 1199	Next Step Lab	26.0
C	Water	God	15.5
D	AMPD	Angus	0.50
D	Titanium Dioxide	Any	9.0
D	Ultramarine Blue	Any	3.0
D	NS Black Iron Oxide Chips	Next Step Lab	1.50
E	NS Nexcide PB	Next Step Lab	2.0

Manufacturing Procedure

Tank: Steam jacketed vessel equipped with internal homogenizer and sweep blades

- Heat phase A to 85°C and sweep mix until waxes are melted and homogeneous
- Add Phase B (NS MGel) to phase A with homogenization. Homomix for at least 45 minutes then check a sample between two slides to make sure the gel is completely dispersed
- In a separate tank equipped with a homomixer or external colloid mill add phase C and heat to 75°C
- Add phase D to phase C and homomix for 15 minutes
- Add phase DC to phase AB **very slowly** while homomixing at medium speed and sweep mixing at medium speed.
- Homomix and sweep at 80°C for 30 minutes
- Start cooling slowly while homomixing and sweep mixing

- Cool to 70°C and add phase E while homomixing and sweep mixing
- Continue mixing until 60°C and turn off homomixer
- Continue sweep mixing and cooling slowly until 35°C.
- Drop the batch at 35°C.