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ELEMENTIS
SPECIALTIES

24 HOUR ANTI-PERSPIRANT/DEODORANT STICK WITH THIXCIN[®] R

Evonik Degussa: UP 13/04

A stick anti-perspirant system, containing THIXCIN[®] R.

Advantages

The presence of THIXCIN[®] R, rheological additive in this system:

- Imparts smoother surface appearance
- Provides good rheological properties

Ingredient	Supplier	% w/w
PHASE A		
Tego Alkanol 18 Pellets (Stearyl Alcohol)	Evonik Degussa	16.25
Varonic APS (PPG-11 Stearyl Ether)	Evonik Degussa	5.0
Varonic APM (PPG-3 Myristyl Ether)	Evonik Degussa	5.0
PHASE B		
THIXCIN[®] R (Trihydroxystearin)	ELEMENTIS Specialties	1.75
PHASE C		
Dow Corning 246 Fluid (Cyclohexasiloxane and Cyclopentasiloxane)	Dow Corning	44.5
PHASE D		
Reach 501 (Aluminium Chlorohydrate)	Reheis	20.0
Aerosil R 972 (Silica Dimethyl Silylate)	Evonik Degussa	3.0
PHASE E		
Tegodeo LYS (Zinc Ricinoleate and Lysine and Propylene Glycol)	Evonik Degussa	4.0
Tego Cosmo P 813 (Polyglyceryl-3 Caprylate)	Evonik Degussa	0.5

Method of Manufacture

1. Melt Phase A together at 80-85°C.
2. Cool to 75-78°C.
3. Add Phase B and stir for another 15 minutes.
4. While stirring add Phase C. Stir until homogenously dispersed.
5. Add Phase D and stir for another 5 minutes.
6. Add Phase E and stir for another 5 minutes.
7. Compensate for the loss of Cyclopentasiloxane (and) Cyclohexasiloxane prior to filling (temperature 68-70°C).

N.B.

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

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