

acne spot cream

formula #: 100-10128

material #: 876809

| ingredients (trade name INCI name) | | %w/w | supplier |
|--|---|---------------|-------------------------------|
| phase a | | | |
| Deionized Water | Aqua (water) | 82.8000 | Local |
| Glycerin | Glycerin | 1.0000 | Local |
| Polysurf™ 67 CS cetyl modified hydroxyethylcellulose | Cetyl Hydroxyethylcellulose | 0.5000 | Ashland |
| Ashland™ 980 carbomer | Carbomer | 0.3500 | Ashland |
| phase b | | | |
| Cerasynt™ 945 ester | Glyceryl Stearate (and) Laureth-23 | 2.0000 | Ashland |
| Eumulgin* B2 | Ceteareth-20 | 1.0000 | BASF |
| Synchrowax* HGLC | C18-36 Acid Triglyceride | 0.6000 | Croda |
| Behenyl Alcohol | Behenyl Alcohol | 1.0000 | Local |
| phase c | | | |
| Triethanolamine | Triethanolamine | 0.3000 | Local |
| phase d | | | |
| DMF- 350CS | Dimethicone | 1.0000 | Shin-Etsu Silicone |
| Si-Tec™ RE-100 | Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer | 2.0000 | Ashland |
| Lubrajel* II XD hydrogel | Glycerin (and) Glyceryl Polyacrylate | 1.0000 | Ashland |
| phase e | | | |
| Curoxyl* 42 | benzoyl peroxide | 5.9500 | Vantage Specialty Ingredients |
| phase f | | | |
| Optiphen™ preservative | Phenoxyethanol (and) Caprylyl Glycol | 0.5000 | Ashland |
| total | | 100.00 | |

procedure

In a beaker, weigh ingredients of phase a and mix . Sprinkle Polysurf and homogenize. Sprinkle Carbomer 980 and continue to homogenize until all in.

Heat batch to 80-85 C while homomixing.

In a separate beaker combine ingredients of phase b and heat to 80-85 C while mixing.

Add phase b to phase a and continue to homogenize for 5 minutes until uniform.

Add TEA to batch and continue to homogenize.

Cool batch to 45C and change to sweep mixing.

Premix phase d and add to main beaker. Continue mixing while cooling to RT.

Add phase e at 30C and mix until homogenous.

Add phase f and mix to RT.

Stop at RT.

typical properties

description: Smooth cream

pH: 5.30-5.90

viscosity: 65,000 cps- 85,000 cps (Brookfield RVT Spindle D/5 rpm/1 minute/25C)

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stability/challenge information: This formula passed standard stability protocol and micro challenge testing. The preservative system, however, has not been optimized to its lowest effective level.

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