

## Formulating with JEESILC® Products: Featuring: JEESILC® 35C

**NEW!**

The JEESILC® line is comprised of standard and specialty silicones. These silicones are available in the form of fluids, emulsions, compounds and lubricants, depending on the user's desired application.

### Product Description

#### JEESILC® 35C

Proposed INCI: Dimethicone  
Crosspolymer-3 (and)  
Dimethicone.

A cyclized polydimethyl siloxane, JEESILC® 35C performs as a transparent, slick, tack-free lubrication silicone carrier.

JEESILC® 35C is an especially useful additive in cream and stick foundations, producing a slick feel, without tack. When using proper emulsifiers, stable water in oil emulsions can be obtained.

JEESILC® 35C provides ease of application and enhanced softness in Moisturizers, Make-up applications and Sun Care formulations.

JEESILC® 35C may be used as is, or mixed with Dimethicone under high shear, to produce a soft, slick feel that is tack free.

#### General Handling and Storage:

- Store in Clean, Dry Area
- Ambient Room Temperature
- Avoid Freezing

#### Standard Packaging

Drum: **441 Lbs. Net Wt.**

Pail: **45 Lbs. Net Wt.**

### Cosmetic & Personal Care Applications:

- Creams/Lotions
- Foundations
- Make-up
- Moisturizers
- Sun Care

#### Recommended Use Levels:

Creams/Lotions:	2 - 5%
Foundations:	3 - 6%
Make-Up:	3 - 6%
Moisturizers:	2 - 5%
Sun Care:	5 - 10%

#### Benefits:

- good spreadability
- silky feel without tack
- long lasting

### Suggested Formulation

#### Sample Formulation

The following is a starting point for utilizing JEESILC® products in formulations. Concentrations are approximate and individual components may be substituted with functional equivalents as required.

Item	Percent (by Weight)
Dextrin Stearate	5 to 8
Mineral Oil	25 to 30
JEESILC® 35C	20 to 25
Carbopol®	0.125 to 0.15
Sodium Hydroxide	As required for pH adjustment (to pH 5 to 7)
Glycerin	10 to 15
Distilled Water	10 to 15
Mixed Organic Pigment(s) (ie: Titanium Dioxide, Mica, etc.)	20 to 21
Lecithin	0.5 to 1.0
Perfume	Approx. 0.1

#### Procedure:

##### A. Mixture #1:

- Mix Dextrin Stearate and Mineral Oil until uniform...heat may be necessary.

##### Mixture #2:

- Dissolve Carbopol® in water
- Adjust pH with Sodium Hydroxide
- Add Glycerin

##### Mixture #3:

- Combine Pigment, Lecithin and Perfume.
- Grind until uniform.

B. Blend Mixtures 1, 2 and 3. Add JEESILC® 35C

C. Homogenize blend, melt and Package.

Carbopol® is a registered trademark of Noveon.

#### General Specifications Typical Properties

Appearance: Colorless Transparent Gel

Ionic Character: Nonionic

Non-Volatile Content (% by Wt.): 100%

Specific Gravity: 0.90 - 0.94

Odor: Odorless

Carrier: Low Viscosity Dimethyl Silicone (5 centistokes)

This document is for informational purposes only. Please contact your JEEN International Sales Representative before writing specifications on this product.