

## Formulating with JEESILC® Products: Featuring: JEESILC® 3D5 LV



**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® 3D5 LV

**INCI:** Cyclomethicone (and) Dimethicone Crosspolymer-3

JEESILC® 3D5 LV performs as a transparent, slick, tack-free lubrication silicone carrier.

JEESILC® 3D5 LV is an especially useful additive in Color Cosmetics, producing a slick, fast drying film with a silky after feel. JEESILC® 3D5 LV can also be used in Sun Care formulations that require a lighter feel.

JEESILC® 3D5 LV provides ease of formulating and enhanced softness in Moisturizers and Make-up applications.

JEESILC® 3D5 LV may be used as is, or mixed with other silicone products 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:** 43 Lbs. Net Wt.

### Cosmetic & Personal Care Applications:

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

#### Recommended Use Levels:

<b>Creams/Lotions:</b>	<b>3 – 6%</b>
<b>Make-up:</b>	<b>5 – 10%</b>
<b>Moisturizers:</b>	<b>3 – 6%</b>
<b>Sun Care:</b>	<b>5 – 10%</b>

#### Benefits:

- ease of use
- slick feel without tack
- lighter feel

### Suggested Formulation

#### Silky Liquid Make-Up Foundation Formulation No. JN 1/2

Supplier	Product/INCI	%
<b>Phase A</b>		
Presperse	Permethyl 99A	10.00
JEEN	Isododecane JEESILC DMC 322	5.00
Goldschmidt	Cyclopentasiloxane (and) Dimethicone Copolyol Abil WE-09	4.00
RHEOX	Polyglyceryl-4 Isostearate (and) Cetyl Dimethicone Copolyol (and) Hexyl Laurate Bentone Gel VS-5	1.50
JEEN	Cyclomethicone (and) Quaternium-18 Hectorite (and) SD Alcohol 40 JEESILC 3D5 LV	6.00
JEEN	Cyclomethicone (and) Dimethicone Cross- polymer-3 Deionized Water JEECHEM BUGL	59.00 2.50
Kobo	Butylene Glycol Sodium Chloride	1.00
Cardre	SP-500/Nylon 12 TiO2 SI	1.00 7.00
Cardre	Titanium Dioxide (and) Silicone Yellow Iron Oxide SI	1.50
Cardre	Iron Oxide (and) Silicone Red Iron Oxide SI	0.25
Cardre	Iron Oxide (and) Silicone Black Iron Oxide SI	0.25
JEEN	Iron Oxide (and) Silicone JEECIDE G-II	1.00
	Propylene Glycol (and) Diazolidinyl Urea (and) Methyl Paraben (and) Propyl Paraben	

#### Procedure:

1. Using a homogenizer in the main tank, combine the Permethyl 99A and JEESILC 3D5 LV and mix at moderate agitation until smooth. Add the JEESILC DMC 322, Abil WE-09 and Bentone Gel VS-5 and mix for 15 minutes.
2. In a side tank, pre-blend the Nylon 12, TiO2 and Iron Oxides. Add to the main tank, and mix for 30 minutes. Switch to prop agitation.
3. In a side tank, pre-blend the water, JEECHEM BUGL, JEECIDE G-II and Sodium Chloride. Slowly add the water phase to the oil phase. Mix for 20 – 25 minutes.

*You Can Count On Us!*

### General Specifications Typical Properties

<b>Appearance:</b>	<b>Water White, Clear Gel</b>
<b>Odor:</b>	<b>Odorless</b>
<b>Viscosity:</b> (Brookfield LVT 0.3 RPM/ Spindle#4,24°C)	<b>700,000 cps Maximum</b>
<b>Specific Gravity:</b>	<b>1.0</b>
<b>Non-volatile Content:</b> (% by Weight, 115°C, 1 Hr)	<b>2.5 – 6.0%</b>

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

**You Can Count On Us!.....Clearly your choice for Specialty Polymers.....**