

## Personal Care

# GELAID® CPE-CF

**INCI NAME:** Dimethicone (and) Dimethicone Vinyl/Dimethicone Crosspolymer (and) Hydroxyethyl Acrylate (and) Sodium Acryloyl Dimethyl Taurate Copolymer

### DESCRIPTION

**GELAID® CPE-CF** is a leading edge cyclic silicone free gel base used in the formulation of cold process skin care and cosmetic products. **GELAID® CPE-CF** delivers premium quality, aesthetics and ease of formulation. Simply add water, and desired actives to formulate stable, elegant emulsions. No heat is required thus saving production resources and energy costs.

**GELAID® CPE-CF** can also be modified with the addition of esters, natural oils, mineral oil or active ingredients. This is a cold process so heat sensitive active ingredients are protected from degradation caused by use of heat in traditional emulsion formulations.

**GELAID® CPE-CF** delivers both a water and micronized silicone polymer to the skin surface. As the microemulsion breaks on the skin, the silicone polymer droplets coalesce to form a soft flexible film sealing in the hydrating moisture.

The silicone cross polymer base in **GELAID® CPE-CF** delivers a luxurious and persistent, silky after feel upon application. **GELAID® CPE-CF** flexibility saves formulation time and manufacturing energy.

For applications where the absence of cyclomethicones is desired, **GELAID® CPE-CF** is the product of choice.

### BENEFITS

- Cold Process Formulations
- Produce Stable Emulsions
- Formulation Flexibility
- Provides Silky Skin After Feel
- Energy Saving Production
- Protect Heat Sensitive Ingredients

### APPLICATIONS

- Skin Care: Lotions, Creams, Cosmetic Preparations (foundations, concealers, ...)
- Sun Care: SPF Daily Wear, After-Sun Preparations

## GELAID® CPE-CF

### TYPICAL PROPERTIES

Properties	Typical Results
COLOR/APPEARANCE	Opaque, White, Paste
VISCOSITY at 25C	62,000 cps (T-C @ 10 rpm)
SOLIDS	92%
REFRACTIVE INDEX	1.39
SPECIFIC GRAVITY	0.770

These values are not intended for use in preparing specifications.

### SAMPLE FORMULA

#### ***High Omega Cranberry Moisturizer w/Gelaid CPE-CF***

		<u>% WT</u>
A1.	Deionized Water	Q.S.
A2.	Propylene Glycol	2.50
A3.	Lincoserve CG-7      Lincoln Fine Ingredients <i>Caprylyl Glycol/Phenoxyethanol/Hexylene Glycol/Ethylhexylglycerin</i>	0.50
A4.	Cranberry Fragrance Ascent Aromatics FN 314109	0.30
<b>B1.</b>	<b>GELAID® CPE-CF    CHEMSiLSILICONES INC.</b>	<b>25.00</b>
B2.	Olive Oil	2.00
<b>B3.</b>	<b>Dimethisil DM-350    CHEMSiLSILICONES INC.</b> <i>Dimethicone</i>	<b>1.00</b>
B4.	OmegaCran      Lincoln Fine Ingredients <i>Cranberry Seed Oil</i>	1.00
B5.	Linessential CO      Lincoln Fine Ingredients <i>Camelina Seed Oil</i>	1.00

#### **Procedure:**

1. Add ingredients A1-A4 under moderate agitation.
2. Add B2-B5 while mixing
3. Slowly add B1 while mixing under moderate agitation. Mix for 30 minutes or until system is homogeneous.

#### **Specifications:**

Stability – 40c eight weeks, pass 3 F/T

**CRL-10-40E**

**Product Information**

**GELAID® CPE-CF**

**HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read product and Safety Data Sheets and container labels for safe use, physical and health hazard information. Avoid static electricity by using properly grounded equipment.

**USABLE LIFE AND STORAGE**

Store below 25°C (77°F) in a dry place away from all sources of ignition. Store in tightly closed containers. Avoid direct or prolonged contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink, or smoke in the work area.

**PACKAGING**

**GELAID® CPE-CF** is available in 400 lb (180kg) drums.

\* Samples are available upon request.

**LIMITATIONS**

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

**LIMITED WARRANTY- PLEASE READ CAREFULLY**

The information contained herein is offered in good faith based on Chemsil's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to ensure that Chemsil's products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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