

JEEN International Corporation

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Formulating with JEESILC® Products:
Featuring: JEESILC® IDD

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® IDD

Proposed INCI: Isododecane,
Dimethicone Crosspolymer-3

This unique dispersion in Isododecane, provides a fast drying, light-silky smooth feel to **Skin Care** products.

Additionally, **JEESILC® IDD** will aid in suspension properties by reducing the settling of pigments in formulations. A unique water white, clear polymer dispersion, **JEESILC® IDD** enhances the conditioning attributes of **Hair Care** formulations without leaving a greasy heavy build up. This product can provide hydrophobic conditioning to anhydrous styling products that are designed to deliver a lighter film to the hair shaft. For **Skin Care** formulations, **JEESILC® IDD** will deliver fast drying, lighter feeling benefits without the alcohol. It is especially ideal for matte finished **Color Cosmetics** that require a lighter feel while providing the long lasting wear of color.

Cosmetic & Personal Care Applications

- Mascara
- Make Up
- Lip Products
- Antiperspirant
- Creams/Lotions
- Sun Care
- Styling Lotions
- Fragrance Delivery

Recommended Use Levels:

For Color Cosmetics: between 10% and 25% with minimal energy required to process.

For Hair Care: for improved conditioning with a lighter feel to the hair, the typical usage levels are between 5% and 10%.

For Skin Care: incorporate at levels of 10% and 15% as an alcohol replacement for anhydrous formulations.

Benefits:

- improved spreadability
- fast drying
- good substantivity
- silky feel

General Handling and Storage:

- Store in Clean, Dry Area
- Ambient Room Temperature

Standard Packaging

Drum: 345 Lbs. Net Wt.
Pail: 35 Lbs. Net Wt.

Suggested Formulation

Facial Cream J7/24

Phase	Ingredients	INCI Nomenclature	%
A	Deionized Water	Water	73.1
A	Ultraz® 10	Carbomer	0.40
B	Stearic Acid	Stearic Acid	3.50
B	JEENATE® 2H	Polyethylene	2.50
B	JEECHEM® TN	C12-15 Alkyl Benzoate	7.00
C	JEESILC® IDD	Isododecane & Dimethicone Crosspolymer-3	4.00
C	JEESILC® CPS-312	Cyclomethicone	5.00
D	Triethanolamine 99%	Triethanolamine	1.00
E	JEECIDE® CAP-5	Phenoxyethanol & Caprylyl Glycol & Potassium Sorbate & Water & Hexylene Glycol	1.00
E	Vitamin E Acetate	Tocopheryl Acetate	0.50
E	JEECHEM® FS-102	Hexylene Glycol & PEG-25 Hydrogenated Castor Oil & PEG-40 Hydrogenated Castor Oil	1.00
E	Fragrance	Fragrance	0.50
F	Algae Extract	Algae Extract	1.50

Procedure:

- 1.) Add D.I. Water and sprinkle in Ultraz® 10 under propeller mixing. Heat Phase A to 70°C.
- 2.) Combine Phase B ingredients and heat to 75°C.
- 3.) When phases are at temperature, insert homomixer into Phase A and add Phase B. Cool batch to 55-60°C and add Phase C.
- 4.) When uniform, change to sweep and add Phase D slowly.
- 5.) Pre-mix Phase E in a side vessel. Cool batch to 45°C and add Phase E.
- 6.) Add Phase F and cool batch to RT.

General Specifications Typical Properties

Appearance: Colorless Transparent Gel

Ionic Character: Nonionic

Non-Volatile Content (Wt.%): 4 – 7.5

Specific Gravity @ 25°C: 0.70 – 0.80

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!We're clearly your choice for Specialty Polymers.....