



NISHKA ALLIANCE LLP.

**INCI NAME: Cyclopentasiloxane and Dimethicone/Vinyl Dimethicone NISH EL 450
Crosspolymer**

NISH EL450 is a light weight, silky silicone elastomer gel of high molecular weight Dimethicone/Vinyl Dimethicone Crosspolymer in Cyclopentasilicone.

Benefits:

- It delivers a soft, silky, powdery & non greasy after feel in cosmetic formulation.
- It enhances texture in primers and foundations.
- It improves the spreadability of cosmetic formulations.
- Its film-forming property helps to form breathable, flexible & waterproof barrier in cosmetic products.
- It enhances absorption of actives, oils and fragrances.
- It helps stabilize and evenly distribute pigments in color cosmetic formulations.
- It is compatible with various cosmetic ingredients including vitamins and sunscreens
- It enhances sebum absorption.

Applications:

- Skincare.
- Make-up products.
- Haircare.
- Suncare.

Characteristic Properties:

- | | |
|------------------------------------|-----------------------|
| • Appearance | Clear translucent gel |
| • Non-volatile content % | 12.0%-13.0% |
| • Active Content % | 100% |
| • Specific Gravity | 0.96 |
| • Cyclopentasiloxane(D4) Content % | <1.0% |

Product Safety, Handling and Storage

The product should be stored in cool, dry and dust free place in closed container. It has Shelf life of the product is 36 months from the date of manufacturing. For further query refer material safety data sheets

Packaging:

Available in 100 kg drums and 20 kg carboys.

How to use:

NISH EL450 is dispersed in the oil/silicone phase & then incorporated in formulation. The manufacturing process should be carried out in closed container with short duration heating to arrest cyclopentasiloxane from evaporation.

Important

The data and statements contained herein are based on our research and/or the research of others, and are believed to be accurate. No guarantee of their accuracy is made however, and unless expressly stated in a written contract, the product(s) discussed herein are sold without conditions or warranties, expressed or implied. Purchasers are advised to make their own tests to determine the suitability of this product for their particular purposes. Nothing contained herein shall be construed as a recommendation to use or as a license to operate under or to infringe on any existing patent