

## Principal/Trade Name, INCI

Weight %

### Phase A

**Purified Water** 82.565%

**Versene NA2 Crystals** 0.05%

*Disodium EDTA*



**VIVAPUR® CS 032XV** 2.00%

*Microcrystalline Cellulose, Xanthan Gum*



**Sweet'N'Neat® 50** 0.50%

*Sucrose, Maltodextrin, Honey*

### Phase B



**Emulsifying Wax** 5.00%

*Cetearyl Alcohol, Polysorbate 60*



**Schercemol™ MM** 0.50%

*Myristyl Myristate*



**Schercemol™ SHS Ester** 3.00%

*Isopropyl Isostearate*



**High Oleic Sunflower Oil** 4.00%

*Helianthus Annuus (Sunflower Oil) Seed Oil*



**Soy Lecithin** 0.20%

*Lecithin*



**AMIHOPE® LL** 0.50%

*Lauroyl Lysine*



**RonaCare® Bisabolol** 0.20%

*Bisabolol*

### Phase C

**Sodium Hydroxide (18% solution)** 0.085%

*Sodium Hydroxide*



**AJIDEW® NL 50** Wa

*Sodium PCA, Water*



**Actiphyte® of Manuka Honey GL** 0.10%

*Glycerin, Water, Manuka Honey Extract*

**Vanilla U-11392** 0.10%

*Fragrance*

**Euxyl PE 9010** 1.00%

*Phenoxythanol, Ethylhexylglycerin*

## Product Properties:

Appearance: Thick emulsion

pH: 5.5-6.5

Viscosity: 3000-6000 cps ( RVT 5@20)

Stability: passed 50C ( 1 week), FT (5 cycles)

## Procedure:

Phase A- Load a secondary vessel with cold water and start mixing at moderate speed .

Add Versene NA2 Crystals and mix until all dissolved .Sprinkle VIVAPUR®CS 032XV in the vortex and mix at moderate speed until all the powder is dispersed. Homogenize the batch for 10 minutes at 9000 rpm. The batch will become thick .

Resume mixing at slow speed and add Sweet'N' Neat® 50 .Heat to 75C while mixing .

Phase B : Add all the ingredients in the main tank and heat to 75C , mixing continuously. At 75C, add phase A into phase B and mix until the batch becomes uniform. Start cooling to RT.

Phase C : At 60C , add slowly Sodium Hydroxide solution.

At 45C, add the rest of the ingredients in the indicated order , mixing well after each addition.

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VIVAPUR® CS 032XV is a transparent thickener for multiphase systems like transparent gels, dispersions, and emulsions. Due to its neutral and inert character it can be used universally in practically any area of personal care and oral care without sensory interference. This product performs best with low shear activation and is the classic thickener for transparent gels and O/W creams and lotions. It is easy to use and swells after activation in water.



Sweet'N'Neat® 50 -Honey is a natural humectant as it has a hygroscopic nature, therefore when exposed to air, it naturally absorbs moisture in from the air. Honey also exhibits antimicrobial properties as it contains an enzyme agent that prohibits the growth of certain bacteria.

### Lubrizol

Schercemol™SHS Ester has excellent spreading and is recommended for use in moisturizing lotions, hair pomades and conditioners, liquid make-up, cream powders, lipsticks and lip glosses. Schercemol SHS ester is effectively used in lipsticks and cream make-up formulations where it functions as a good viscosity builder, anti-tack agent and anti-grease agent.



Soy Lecithin acts as an emulsifier as well as helps to hydrate, replenish and repair the skin due to its essential fatty acid content. It is naturally derived from soybeans, and offers skin protection qualities and acts as a natural moisturizer. It is a source of choline and inositol, which are important components of all cell membranes, and play an important role in cell growth and function.

### **AJINOMOTO**

AMIHOPE® LL is an amino acid based functional powder derived from L-Lysine (an amino acid) and fatty acids. It is insoluble in both water and oil. Its flat, hexagonal, and crystalline structure gives AMIHOPE® LL a very smooth, soft, silky feel, making it an ideal ingredient in cosmetic products. AMIHOPE® LL can be used as a pigment-dispersing agent or a texture improver in makeup, skin care, and hair care products.



RonaCare® Bisabolol is a natural powerful material to soothe very sensitive and easily inflamed, irritated skin. Applications range from anti-aging and anti-inflammation categories to formulations that address common concerns like premature aging, moisturizing, sebum oxidation control, sensitivity, and skin discoloration.

### **AJINOMOTO**

AJIDEW®NL-50 is a natural humectant derived from L-Glutamic acid. Known to be abundant in human skin as a component of NMF (Natural Moisturizing Factor), this humectant helps keep skin and hair fresh-looking.



Actiphyte® of Manuka Honey-Honey Extract is the perfect ingredient for natural hydration of the skin. It helps to balance the skins moisture levels. It can help to reduce inflammation and aid in tissue health.