



| Principal/Trade Name, INCI | Weight % |
|---|----------|
| Phase A | |
| Purified Water | 87.06% |
|  Carbopol® Ultrez 30 Polymer <i>Carbomer</i> | 0.30% |
| Versene NA2 Crystals <i>Disodium EDTA</i> | 0.05% |
|  Sweet'N'Neat® 50 <i>Sucrose, Maltodextrin, Honey</i> | 2.00% |
| Phase B | |
|  Arcon® S <i>Soy Protein Concentrate</i> | 0.50% |
| Purified Water | 5.00% |
| Phase C | |
|  Schercemol™ 318 Ester <i>Isopropyl Isostearate</i> | 5.00% |
|  Schercemol™ SHS Ester <i>Isostearyl Hydroxystearate</i> | 3.00% |
|  Soy Lecithin <i>Lecithin</i> | 0.20% |
|  Glucamate™ SSE-20 Emulsifier <i>PEG-20 Methyl Glucose Sesquistearate</i> | 0.30% |
|  Glucate™ SS Emulsifier <i>Methyl Glucose Sesquistearate</i> | 0.30% |
| Phase D | |
| Sodium Hydroxide (18% solution) <i>Sodium Hydroxide</i> | 0.34% |
|  AJIDEW® NL-50 <i>Sodium PCA, Water</i> | 0.35% |
|  Actiphyte® of Manuka Honey GL <i>Glycerin, Water, Honey Extract</i> | 0.20% |
| Vanilla U-11392 <i>Fragrance</i> | 0.10% |
| Glydant™ Plus Liquid <i>DMDM Hydantoin, Iodopropynyl Butylcarbamate</i> | 0.30% |

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 the main tank with cold water and start mixing at moderate speed . Add Carbopol® Ultrez 30 into the vortex and continue mixing until all powder is dissolved. Add Versene NA2 Crystals and mix until all dissolved. Sprinkle Sweet'N'Neat® 50 and mix at moderate speed to dissolve.

Phase B : Add ingredients in a secondary tank and mix thoroughly. When the premix is homogeneous, slowly add it to the main tank. Mix well (the premix will slowly blend into the batch, but it will not entirely dissolved) . Start heating to 75C.

Phase C: Add all the ingredients in a side vessel and heat to 75C while mixing . At 75C, add phase C into the main batch. Mix until the batch will become uniform (it will take few seconds).

Phase D: Slowly add Sodium Hydroxide to the main batch, mixing at moderate speed until the batch is uniform, then homogenize for 20 seconds at 6000 rpm. Replace the batch on the mixer and add the rest of the ingredients when temperature is bellow 55 C. Mix well after each addition.

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

Arcon®S is a soy protein that works as a natural moisturizer as well as provides conditioning properties to hair and skin.

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.



Carbopoly Ultrez® 30 Polymer - This crosslinked acrylic acid homopolymer provides a solution for formulating skin care products with low to medium viscosities. Its improved electrolyte tolerance and broad pH compatibility makes it ideal for formulating products with botanical extracts or water-soluble salts, as well as acidic actives or ingredients such as alpha hydroxy acids, salicylic acid or organic acid preservatives at a pH range as low as 4.0 - 4.5.

Glucamate™ SSE-20 & Glucate™ SS are vegetable-derived, nonionic emulsifiers that work well together or individually. They help to add viscosity, and have a low irritancy profile.

Shercemol™318 Ester is a highly emollient ester that finds use in bath oils, creams, lotions, and lipsticks. It has a low freeze point and exhibits lubricity without oiliness. This product can be used to increase play time in various formulation types.

Shercemol™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. This ester is used in lipsticks and cream make-up formulations where it functions as a good viscosity builder, anti-tack agent and anti-grease agent as well.

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 Honey Manuka 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.