
State of the Art Ingredients • Fast Friendly Service

Naturemulse[™]

INCI Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate

Edible, natural, ultra mild self- emulsifying wax developed to mimic the skin's own natural lipid barrier. A proprietary self-emulsifier blend. Naturemulse[™] improves moisturization, skin feel, and water resistance in your formulations! Naturemulse[™] is compatible with all types and classes of ingredients!

DEFINITION

Based on Acyl Lactylates, which are wonderful for both skin and hair, anionic Lactylates are created through a reaction between the acyl group of fatty acids, and Lactic Acid (See our Lactic Acid page for details). Both Fatty Acids and Lactic Acid are natural moisturizing factor constituents found in skin! Wonderful viscosity enhancement, improved stability, and conditioning all-in-one!

Naturemulse[™] is a complete & balanced self-emulsifier blend that will impart a soft, conditioned after-feel in your lotions and creams.

Usage Rate: 2-10%
Shelf Life: 2 years when properly stored.

Storage: Store in a cool, dry place in a tightly sealed container.

SPECIFICATIONS

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Appearance: Off White Waxy Flakes
Acid Value: 20 Max
Iodine Value: 3 Max
SAP Value: 130-150

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2-10%

TECH TIP:: For more complex formulations, we find that the addition of 1% PEG 150 Distearate stabilizes the emulsion well.

USAGE

Naturemulse[™] emulsions can be prepared easily by incorporating Naturemulse in the oil phase and then heating it and the water phase separately to 70 -80°C. Once the two phases reach this temperature, the water phase is added to the oil phase in a thin stream using mechanical agitation. The emulsion is then stirred down to a temperature above the solidification point of the cream (to 30°C for a lotion). These emulsions are very stable, easy spreading systems, but can be homogenized if desired. A preservative should always be added to protect against bacterial growth.

Because Naturemulse is partially composed of Sodium Stearoyl Lactylate, it should be used at a pH of 5 or above to ensure long term stability.