



IntegriMULSIFIER Natural SSL

INCI Name: Sodium Stearoyl Lactylate

PRODUCT DESCRIPTION

IntegriMULSIFIER Natural SSL is a naturally derived primary emulsifier designed to stabilize O/W emulsions. This highly functional mild thickener is composed of 100% natural ingredients and preservative free.

FUNCTION AND BENEFITS

IntegriMULSIFIER Natural SSL improves the skin feel and functionality of creams and lotions developed for intensive skin care.

It releases lactic acid on skin contact, contributing to the Natural Moisturizing Factor (NMF), one of the essential mechanisms for skin moisturization.

Clinical tests show the benefit of using IntegriMULSIFIER Natural SSL to improve the skin firmness and smoothness on repeated application. Being part of the NMF, lactic acid and lactates are also important contributors to skin pH stabilization.

Though being a derivative of Lactic Acid, IntegriMULSIFIER Natural SSL is a mild emulsifier with good skin tolerability, showing no irritation or sensitization in clinical tests.

IntegriMULSIFIER Natural SSL derives its efficiency as a primary emulsifier and emulsion stabilizer from its ability to form liquid crystalline phases using nonionic co-emulsifiers.

Such liquid crystalline phases also contribute to moisture retention, lubricity and generally improves skin feel in emulsion based skin care products.

TECHNICAL DATA

Appearance:	Powder
Color:	Off White to Cream
Odor:	Characteristic

CHEMICAL COMPOSITION

Ester derived from reaction of a sugar beet lactic acid and a vegetable derived fatty acid.

pH USE RANGE

It is recommended to formulate between pH 4 – 8.

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APPLICATION

IntegriMULSIFIER Natural SSL can be used for a wide variety of personal care formulations. It can be used to emulsify O/W systems from thin lotions to thick creams with wonderful skin feel and unique textures.

Recommended use levels are between 0.50 and 5.0% depending on the desired viscosity. Other Co-emulsifiers such as polyglycerol esters, mono/diglycerides or ethoxylated fatty alcohols can be used in the formulation to stabilize / emulsify O/W Systems.

Other ingredients and thickeners may be added to adjust the skin feel to your desired application and to stabilize the system.

IntegriMULSIFIER Natural SSL should be heated to above 75°C prior to adding to the emulsion.

IntegriMULSIFIER Natural SSL is well suited for use in body and facial care creams and lotions, anti-age/anti-wrinkling products, facial care, for moisturizers and in soothing formulations in body care.

IntegriMULSIFIER Natural SSL can also be used as a co-surfactant in shower gels and shampoos as a foam booster and moisturizer.

STORAGE

IntegriMULSIFIER Natural SSL is stable for a minimum of 1 year when kept tightly sealed and away from moisture and extreme temperatures.

PACKAGING

50 lb carton

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