



PROTACHEM ISL ^[TM]

INCI Name: Isostearyl Linoleate

Protachem ISL (Isostearyl Linoleate) is a medium viscosity plant derived ester with bifunctional properties (emolliency and moisturization).

It is an unusual emollient that combines the non-occlusive lubricity of a branched chain monoester with the full-bodied non-oily characteristics of a fatty acid ester.

Protachem ISL is derived from isostearyl alcohol and linoleic acid. Linoleic acid is required for maintenance of cutaneous barrier function. In insufficient amounts, skin becomes scaly, exhibits hyperproliferation and increased transepidermal water loss (TEWL).

Protachem ISL supplies this essential fatty acid to the skin which assists in repairing the Intercellular Moisture Barrier increasing the intrinsic moisturization of skin and reducing TEWL.

Protachem ISL has excellent pigment dispersing properties and may be used in various types of make-up, lip gloss, lipstick, mascara and blush formulations. It is highly recommended in creams or lotions where it can partially or totally replace mineral or plant oils that tend to be oily or greasy.

In sunscreen products, it can solubilize oil soluble sunscreen actives and helps to reduce the oiliness often associated with these products and provide a non-greasy emollient feel to skin while improving the water-resistant properties of the product.

PROVEN MOISTURIZATION PROPERTIES*

APPEARANCE @25°C:	CLEAR LIQUID
COLOR (GARDNER):	6 MAX.
% WATER:	0.5 MAX.
ACID VALUE	3 MAX.
SAPONIFICATION VALUE:	95-115
IODINE VALUE (HANUS):	60-80

* efficacy data available

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