

PROTACHEM ISP

OIL SOLUBLE ESTER

Protachem ISP (*Isostearyl Palmitate*) is a non-comedogenic, saturated liquid emollient with an extraordinary skin feel and low freezing point. Virtually colorless, odorless, and tasteless, suggests ideal use in lip products.

In stick formulations, Protachem ISP provides excellent pour and mold-release properties, while imparting remarkable spreadability.

Protachem ISP functions as a co-solubilizer for silicones and waxes in sunscreens, and may be considered to be an “oil-free” ingredient for cosmetics.

When incorporated into creams or lotions at levels as low as 3%, Protachem ISP imparts a light, silky emolliency, eliminating the greasy feel of mineral oil or other heavier esters.



Protachem ISP is derived from renewable, non-animal source raw materials which is a real plus in today's rapidly evolving consumer marketplace.

ELEGANT SILKY FEEL

PROTACHEM ISL

OIL SOLUBLE ESTER

Protachem ISL (*Isostearyl Linoleate*) is a medium viscosity plant derived ester with bi-functional 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.

MOISTURIZING

PRO-AQUA ISL

WATER SOLUBLE ESTER

Pro-aqua ISL (*Isosteareth-200 Linoleate*) is the sister product to our popular Protachem ISL (*Isostearyl Linoleate*) which is proven to deliver long-term moisturization to skin. Due to the highly lipophilic nature of Protachem ISL this effect was excluded from use in surfactant based hair and skin care formulations.



MOISTURIZATION CONDITIONING

HAIR - SKIN - BATH



With Pro-aqua ISL, you can now incorporate *Isosteareth-200 Linoleate* into these formulations, producing crystal clear shampoos, styling gels and pump sprays with enhanced shine and manageability and body washes, hand washes and gelled after sun conditioners with exceptional skin feel and moisturization benefits, without worrying about solubilizing the conditioning agents.

EXCELLENT CLARITY