

**iMOL IPP**

**INCI Name (US):** Isopropyl Palmitate

**INCI Name (EU):** Isopropyl Palmitate

**CAS #:** 142-91-6

**General Information/  
Characteristics:**

iMol IPP is derived from processing palmitic acid from coconut oil. This chemical is an additive to many skin and hair care products that used to improve the moisture content in hair and skin. iMol IPP is all natural and is used in many other industries aside from personal care and hair care products.

This chemical has many rewarding properties such as moisturizing, emollient, thickening agent and also reduces static which can benefit unruly, dry and damaged hair.

**Benefits / Application:**

iMol IPP is a non-oily ester, emollient and with good spreadability that provides a silky touch to products for skin, hair and bath.

iMol IPP has solvent and solubilizer properties for resins, waxes, pigments and lipophilic active ingredients. It is easily emulsified resulting in creams with good evanescent properties and also stable in high temperatures (45-50°C).

iMol IPP is an excellent emollient which does not form oily film over the hair neither on the skin. This product can also be applied in hair masks and creams providing the benefit of a better distribution of the oiliness over hair strands, improving shine and combing.

The saturated structure with low iodine value makes iMol IPP not darken or rancid, even during long storage

Due to its good solubility, iMol IPP can be associated to other oily components, such as acid esters and fatty alcohols, oils and animal or vegetable fats, mineral oil and wax.

**Regulatory Status:** No specific regulation

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**Physic-Chemicals  
Properties:**

Aspect	Liquid
Color	Colorless slightly yellowish.
Odor	Similar to standard, slight fatty type odor.
Acid value (KOH 0,1N)	0 – 1.0 mg KOH/g
Saponification value	182 – 193 mg KOH/g
Iodine value	Max. 1.0 g I <sub>2</sub> / 100 g
Refractive Index (25°C)	1.435 – 1.440
C14	Max. 3.0 %
C16	Min. 95.0 %
C18	Max. 2.0 %

**Shelf Life / Storage  
Conditions**

36 months if stored in covered area, protect from light, at room temperature and in its original and closed packing.

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