
Updated: 23-Jan-2026

Isopropyl Palmitate

Specification Sheet

Description: Multi-functional fatty acid made of the ester of isopropyl alcohol and palmitic acid derived from renewable vegetable oils. It acts as an emollient, moisturizer, wetting agent, and anti-static agent. It is readily biodegradable and is GMO-free. C16 Ester (90% minimum). Saponification value 183-193.

CAS: 142-91-6

INCI Name: Isopropyl palmitate

Composition: Isopropyl palmitate

Appearance: Colorless, slightly viscous liquid.

Benefits:

- Has excellent emollient and lubricant properties.
- Non-tacky, non-oily, fast spreading, and effective absorption.
- Widely used as wetting agent and fragrance enhancer.
- Has slight anti-static properties.

Use: Add to the oil phase of emulsions. Typical use level 1 - 10%. May solidify at colder temperatures, revert by warming. For external use only.

Applications: Bath oils, skin creams, sunscreens, shaving creams, vanishing creams, hair conditioner, pre-shaves & aftershaves, shampoos, bath oils, aerosol antiperspirants and deodorants.

Solubility: Water insoluble, soluble in alcohol, acetone

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature.

Country of Origin: Indonesia

Raw material source: Isopropyl alcohol and palmitic acid

Manufacture: Isopropyl palmitate is produced from the ester of isopropyl alcohol and palmitic acid. Fatty acid esterification is realized as a reactive distillation.

MakingCosmetics Inc.

10800 231st Way NE, Suite 100, Redmond WA 98053

Phone 425-292-9502

Fax 425-292-9601

www.makingcosmetics.com



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Redmond, WA 98053
Phone: 425-292-9502
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Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 2915700010

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