



IPGuard DMI

INCI - Dimethyl Isosorbide; CAS # 5306-85-4

Dimethyl Isosorbide (DMI) is primarily used as a solvent and penetration enhancer in cosmetic and pharmaceutical formulations.

- **Penetration Enhancement:** DMI helps active ingredients penetrate the skin more effectively by reducing the skin's barrier function, allowing better absorption of ingredients like vitamins, antioxidants, or other actives.
- **Solubilizing Agent:** It acts as a solvent for a wide range of active ingredients that might otherwise be difficult to dissolve in a formulation.
- **Non-Irritating:** It is known for being non-irritating and is often used in products that are intended to be gentle on the skin.

DMI is widely used in cosmetics to deliver active ingredients deep into the skin. It enhances the effectiveness of actives like retinol, vitamin C, and salicylic acid, making them more potent in treating skin concerns like wrinkles, acne, and hyperpigmentation.

Because it helps active ingredients penetrate better, DMI is a common addition to sunscreens and anti-aging products, ensuring the ingredients reach deeper layers of the skin for improved protection and repair.

DMI is derived from plant-based sorbitol, so it's biodegradable and seen as a more sustainable alternative to other synthetic solvents.

This ingredient is present in approximately 5% of cosmetics like

Anti-Aging Products: 30-40%

Acne Treatment Products: 20-30%

Sunscreens: 15-25%

Serums: 25-35%

Moisturizers and Creams: 10-20%

Hair Care Products: 5-10%

Makeup Primers and Foundations: 10-15%

Through an optimized production process, we manufacture Dimethyl Isosorbide (IPGuard DMI) of the highest quality (Minimum 99% Pure) and ensure it meets the strictest industry standards, providing consistent performance in formulations while maintaining safety and stability for a wide range of personal care and cosmetic applications.

Packing : 200 Kgs HDPE Drum, 950 Kgs IBC Tank

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