



IPGuard ODO

INCI - 1,2-Octanediol; CAS # 1117-86-8

1,2-Octanediol primarily acts as an antimicrobial agent and humectant in skincare and cosmetic products.

- **Antimicrobial Activity:** It has inherent antimicrobial properties, which allow it to prevent the growth of bacteria and fungi in cosmetic formulations. This makes it a useful preservative or preservative booster, enhancing the longevity and safety of products.
- **Moisturization (Humectant):** Like other diols, 1,2-octanediol helps to retain moisture in the skin by attracting water molecules. This helps keep the skin hydrated, soft, and smooth.
- **Skin Conditioning:** It functions as an emollient, improving the skin's texture and giving it a smoother appearance and feel.

1,2-Octanediol is known for its potent antimicrobial properties, effective against a broad spectrum of microorganisms, including Gram-positive and Gram-negative bacteria. This allows it to function as a preservative alternative, especially in formulations designed to minimize synthetic preservatives like parabens.

Interestingly, 1,2-octanediol is commonly used in products marketed as "preservative-free" like natural and organic skincare products. Its ability to inhibit microbial growth allows manufacturers to avoid traditional preservatives while still ensuring product safety.

Compared to some traditional preservatives, 1,2-octanediol is gentler on the skin. Its non-irritating and conditioning properties, makes it ideal for leave-on products like serums, lotions, and creams, where long-lasting antimicrobial protection is crucial without sacrificing skin comfort.

This ingredient is present in approximately 13.55% of cosmetics like

- Children's sun cream (51.12%)
- Anti-aging set (47.8%)
- Make-up set (46.91%)
- Anti-aging sun cream (43.71%)
- Mascara (41.77%)

Through an optimized production process, we manufacture 1,2-Octanediol (IPGuard ODO) of the highest quality (Minimum 98% 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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