

**iBACT PHENOXYETHANOL**

**INCI Name (US):** Phenoxyethanol

**INCI Name (EU):** Phenoxyethanol

**CAS #:** 122-99-6

**General Information/  
Characteristics:**

**iBact Phenoxyethanol** is an organic chemical compound, a glycol ether often used in dermatological products such as skin creams and sunscreen. It is a colorless oily liquid. It is a bactericide (usually used in conjunction with quaternary ammonium compounds). **iBact Phenoxyethanol** is used in many applications such as cosmetics, vaccines and pharmaceuticals as a preservative.

**Benefits / Application:**

**Benefits:**

- Activity gram positive and gram negative bacteria, yeasts, and molds.
- Effective alternative to formaldehyde releasers.
- Effective alternative to parabens.
- Excellent stability over a wide range of temperature.

In addition to cosmetic applications, it is also used as a fixative for perfumes, an insect repellent, a topical antiseptic, a solvent for cellulose acetate, some dyes, inks, and resins, in preservatives, pharmaceuticals, and in organic synthesis.

**Formulations Advices:**

Solubility in water (g/100ml) : 2.7 (stir until well dissolved)  
Soluble in oils.

Dosage: Skin care :0.5%

**Regulatory Status:**

No applicable

**Physic-Chemical  
Properties:**

Appearance	Clear liquid
Color:	Colorless
pH value (25 °C, 1% soln)	5.0 - 7.0
Specific gravity @ 20°C	1.105 – 1.110
Assay by GC (%)	Min. 99.0
Free Phenol (ppm)	Less than 20

*\*These values indicate typical specification; they are not intended to be used as product specifications*

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**Additives:** Preservatives: No applicable

**Shelf Life / Storage Conditions** **iBact Phenoxyethanol** should be stored at room in tightly closed original containers, protected from heat and frost.

**Packaging:** 200/50/25 kg/ drum

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Version:

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