

# Phenoxyethanol

## Specification Sheet

**Description:** Pure phenoxyethanol (minimum 99% purity by GC), very effective broad-spectrum preservative. Clear viscous liquid, characteristic odor. pH 5.5 - 7.0 (1% aqueous solution). Soluble in water (24g/100g), alcohol, isopropyl palmitate, glycerin, and propylene glycol.

**CAS:** 122-99-6

**INCI Name:** Phenoxyethanol

**Benefits:**

- Effective broad-spectrum preservation against gram-positive and gram-negative bacteria, yeast, and mold
- Some emulsifying activity helping to lower interfacial tension in oil-water emulsion
- Compatible with most cosmetic ingredients
- Useful as perfume fixative

**Use:** Recommended use level of 0.75-1.50% (restricted to 1% in the EU and Japan), performs best in pH of 6.0, but also proven effective at pH levels up to 10 (ideal pH 4-10). Can be added directly to the formulation during pre- or post-emulsification at or below 60°C/140°F. **Note:** Product can solidify when store at or below 14°C (57°F) for prolonged period of time. For external use only.

**Applications:** All kinds of personal care products incl. skin and hair care products, color cosmetics, sun care products, & makeup products.

**Country of Origin:** USA

**Raw material source:** Phenol, ethylene oxide

**Manufacture:** Phenoxyethanol is produced by the hydroxyethylation of phenol in the presence of alkali-metal hydroxides or alkali-metal borohydrides.

**Animal Testing:** Not animal tested

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components