

Phenoxyethanol

Cat. No. PYGZ-0001

Lot. No. (See product label)

Introduction

Description

Phenoxyethanol is a cosmetic-grade aromatic glycol ether supplied as an oily, colorless liquid with a characteristic odor. It is used primarily as a preservative in cosmetic and personal-care formulations.

Applications

Leave-on and rinse-off cosmetic formulations Skin-care products Hair-care products
Cleansing and bath products Makeup and other personal-care products

Synonyms

2-Phenoxyethanol; Ethylene glycol monophenyl ether; Phenoxyethyl alcohol; Phenoxethol

Product Information

Appearance

Oily, colorless liquid with a characteristic odor

Form

Liquid

CAS No.

122-99-6

Molecular Formula

C₈H₁₀O₂

Chemical Name

2-Phenoxyethan-1-ol

Molecular Weight

138.16 g/mol

Structure

Aromatic glycol ether containing a phenoxy group linked to a hydroxyethyl chain; structurally an aromatic ether and a primary alcohol.

Function

Preservative

Melting Point

14 °C

Boiling Point

245 °C

Solubility

Solubility in water: 2.7 g/100 mL

Vapor pressure

0.0013 kPa at 20 °C

Vapor Density

4.8 (air = 1)

Density

Relative density: 1.1 (water = 1)

Grade

Cosmetic Grade

Usage

Use as a preservative in ready-to-use cosmetic products. Under Annex V of the EU Cosmetic Products Regulation, phenoxyethanol is permitted in all cosmetic products at a maximum concentration of 1.0%.

Storage and Shipping Information

Storage

Store separately from strong oxidants.