

## Typical Specification

### Glycol Ether EPh

Synonyms	Phenoxyethanol; Phenyl Cellosolve; Ethylene Glycol Phenyl Ether
CAS No.	122-99-6
EINECS No.	204-589-7
Molecular Formula	C <sub>6</sub> H <sub>5</sub> O-CH <sub>2</sub> CH <sub>2</sub> OH
Molecular Weight	138.16

#### Specifications

Test	Unit	Specifications
Appearance	-	Clear, low viscous liquid
Odor	%	Characteristic
Color		
-Description	-	Colorless
-On Lovibond ( 5 1/4" cell, on Y+R)	-	Max 0.5
pH (1 % aqueous solution)	-	5.5 - 7.0
Purity, by GC	%	Min 99
Moisture content, (by KF)	% by mass	Max 0.2
Specific gravity (at 20°C)	-	1.105 - 1.110
Refractive index (at 20°C)	°	1.537 - 1.539
Free Phenol	ppm	Max 150
Initial Boiling point @ 1013 hPa	°C	244.3
Freezing point	°C	14
Vapor pressure @ 20°C	mm Hg	Max 0.01
Flash point	°C	126
Solubility in water, @ 20° C	g/l	24
Solubility in solvents	-	Soluble in alcohol and ether

#### Applications

Glycol Ether EPh (Preservative Grade) is used for a wide range of applications including:

- As a preservative in personal care formulations
- As a latex coalescent in water-based architectural and industrial coatings
- As a solvent and plasticizer for Nitrocellulose, Cellulose Acetate, Ethyl Cellulose and many vinyl, phenolic, alkyd and ester-type resins in water-based coatings
- As a solvent in printing inks
- As an emulsifier to help lower interfacial tension in oil-water emulsions
- As an ingredient in slurring compounds used to protect metals against corrosion
- As an intermediate for bactericidal agents
- As an additive in paint industry
- As a perfume fixative

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