

BULLETIN VC-5704-1

euxyl™ pe 9010 preservative

a cosmetic preservative blend that offers clear advantages; the addition of ethylhexylglycerin reduces the interfacial tension at the cell membrane of microorganisms and improves the antimicrobial activity

product benefits

- o strong broad spectrum efficacy
- o mild, liquid blend
- o ideal solution for transparent gels
- o stable to hydrolysis, temperature and pH
- o microbiome gentle

INCI declaration
 Phenoxyethanol
 Ethylhexylglycerin¹⁾
CAS No
 122-99-6
 70445-33-9

¹⁾ stabilized with synthetic alpha-tocopherol

technical product properties

color	nearly colorless
form	liquid
odor	characteristic
density (20 °C)	1.087 - 1.092 g/ml
refractive index (20 °C)	1.522 - 1.534
boiling point/boiling range	> 100 °C
flash point (ISO 2719)	> 100 °C
flow time (DIN 53211 - 20 °C)	< 15 s
viscosity (Rheo WIN RS 600 -)	28 mPa*s
Water solubility (20 °C)	10 g/l
Water solubility (60 °C)	15 g/l
foaming characteristics (DIN 53902)	non foaming (1.0 % in water)
color index (Hazen)	< 50
natural ingredient acc. ISO 16128	0%

formulation guidelines

recommended use levels ²⁾	0.5 - 1.0 %
general information	Effective in pH ranges up to 12.
solubility(ies)	In water and non-polar solvents only limitedly soluble. Highly soluble in organic solvents like alcohols, ethers, esters and ketones.
compatibility with surfactants	Euxyl™ pe 9010 preservative proved to have good chemical compatibility with anionic surfactants such as sulphates, ether sulphates and sulphosuccinates, as well as with non-ionogenic surfactants. Ethoxylated surfactants may lead to loss of effectiveness.
compatibility with sulphite ions	Euxyl™ pe 9010 preservative exhibits no interaction with sulphite ions.

