



>>Entry Name: Polyethylene glycol

ENTRY UNDER REVIEW

Synonym(s): α -Hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), 8Cl. PEG

CAS Registry Number: 25322-68-3

$\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}$ where $n > 4$

Use/Importance: Used as 20% aq. soln. for extraction-photometric detn. of Au(III) (λ_{max} 394 nm). Used as a water-soluble lubricant in food and food packaging and as an ointment and a suppository base

Physical Description: Viscous liq. or solid

Melting Point: Mp 4-10°

Solubility: Sol. H_2O , org. solv., aromatic hydrocarbons

Hazard & Toxicity: Eye irritant

Aldrich: 18202-8

Fluka: 81200

Sigma: P3640

References:

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