

Product Datasheet

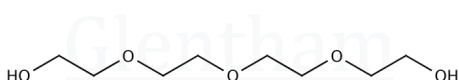
GC0231 - Polyethylene glycol 400, BP, Ph. Eur., USP/NF grade

Product Details

Product Name	Polyethylene glycol 400, BP, Ph. Eur., USP/NF grade
Glentham Code	GC0231
CAS Number	25322-68-3
EINECS	500-038-2
MDL-Nummer	MFCD00081839

Structure

Molecular Weight	: ~400
Molecular Formula	: $(-\text{CH}_2\text{CH}_2\text{O}-)_n$



Physical Description	: Clear, viscous, colourless or almost colourless hygroscopic liquid
Identification	: To pass tests
Colour (Hazen)	: ≤ 25 (20°C)
Solubility (25% in water)	: Clear, colourless solution ($\leq$ BY6)
Acidity or Alkalinity	: $\leq 0.1\text{ml}$ (of 0.1M NaOH required)
Dynamic Viscosity	: 105 - 130 mPa.s (20°C)
Kinematic Viscosity	: 94 - 116 mm ² /s (20°C)
pH (5% in water)	: 4.5 - 7.5
Molecular Weight	: 380 - 420
Hydroxyl Value	: 267 - 294 mgKOH/g
Reducing Substances	: To pass test
Sulphated Ash	: $\leq 0.1\%$
Formaldehyde	: To pass test
Ethylene Glycol and Diethylene Glycol	: $\leq 0.25\%$
Ethylene Oxide	: $\leq 1\text{ppm}$
1,4-Dioxane	: $\leq 10\text{ppm}$
Heavy Metals	: $\leq 5\text{ppm}$
Organic Volatile Impurities	: To pass test
Water	: $\leq 2.0\%$
Pharmacopoeia Specification(s)	: BP, Ph. Eur., USP/NF
Version	: v1.0

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

About Polyethylene glycol 400, BP, Ph. Eur., USP/NF grade

No further details on record.

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