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Product Datasheet

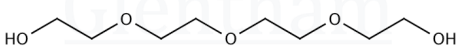
GC0009 - Polyethylene glycol 4000, BP, Ph. Eur., USP/NF grade

Product Details

Product Name	Polyethylene glycol 4000, BP, Ph. Eur., USP/NF grade
Glentham Code	GC0009
CAS Number	25322-68-3
EINECS	500-038-2
MDL Number	MFCD00081839

Structure

Molecular Weight	:	3,600 - 4,400
Molecular Formula	:	$(-CH_2CH_2O-)n$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	:	White or almost white solid with a waxy appearance
Reducing Substances	:	To pass test
Sulphated Ash	:	≤ 0.2%
Formaldehyde	:	≤ 30ppm
Ethylene Oxide	:	≤ 1ppm
1,4-Dioxane	:	≤ 10ppm
Water	:	≤ 1.0%
Hydroxyl Value	:	25.0 - 32.0 mgKOH/g
Molecular Weight	:	3600 - 4400
Identification	:	To pass tests A, B, C according to Ph Eur.
Solubility (25% in water)	:	Clear, colourless solution
pH (5% in water)	:	4.5 - 7.5
Acidity or Alkalinity	:	≤ 0.1ml (of 0.1M NaOH required)
Dynamic Viscosity	:	110 - 170 mPa.s (50% in water)
Kinematic Viscosity	:	102 - 158 mm²/s (50% in water)
Freezing Point	:	53 - 59 °C
Pharmacopoeia Specification(s)	:	BP, Ph. Eur., USP/NF
Dynamic Viscosity	:	110 - 158 cSt (98.9°C)
Residue on Ignition	:	≤ 0.1%
Version	:	v1.1

About Polyethylene glycol 4000, BP, Ph. Eur., USP/NF grade

No further details on record.

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