

## Product Datasheet

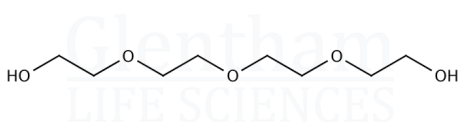
### GC1353 - Polyethylene glycol 1500, BP, Ph. Eur., USP/NF grade

#### Product Details

|               |                                                         |
|---------------|---------------------------------------------------------|
| Product Name  | Polyethylene glycol 1500, BP,<br>Ph. Eur., USP/NF grade |
| Glentham Code | GC1353                                                  |
| CAS Number    | 25322-68-3                                              |
| EINECS        | 500-038-2                                               |
| MDL-Nummer    | MFCD00081839                                            |

#### Structure

|                   |                                          |
|-------------------|------------------------------------------|
| Molecular Weight  | : ~1500                                  |
| Molecular Formula | : $(-\text{CH}_2\text{CH}_2\text{O}-)_n$ |



#### 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 |
|----------------------|------------------------------------------------------|

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| Identification                        | : To pass tests                               |
| Colour (Pt-Co)                        | : $\leq 25$ (25% in water)                    |
| Solubility (25% in water)             | : Clear, colourless solution                  |
| pH (5% in water)                      | : 4.5 - 7.0                                   |
| Acidity                               | : $\leq 0.015\%$ (as acetic acid)             |
| Acidity or Alkalinity                 | : $\leq 0.1\text{ml}$ (of 0.1M NaOH required) |
| Dynamic Viscosity                     | : 34 - 50 mPa.s (50% in water)                |
| Kinematic Viscosity                   | : 31 - 46 mm <sup>2</sup> /s (50% in water)   |
| Freezing Point                        | : 42 - 48 °C                                  |
| Molecular Weight                      | : 1400 - 1600                                 |
| Hydroxyl Value                        | : 70 - 80 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                                 | : $\leq 1.0\%$                                |
| Pharmacopoeia Specification(s)        | : BP, Ph. Eur., USP/NF                        |
| Version                               | : v1.0                                        |

#### About Polyethylene glycol 1500, BP, Ph. Eur., USP/NF grade

No further details on record.

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