



## Technical Data Sheet

# CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 4000 (Uninhibited)

<b>Product(s)</b>	CARBOWAX™ SENTRY™ Polyethylene Glycol 4000 NF Molten (Inhibited) CARBOWAX™ SENTRY™ Polyethylene Glycol 4000 NF Flake (Inhibited); Macrogl 4000 Ph. Eur.
<b>Description</b>	Polyethylene Glycol
<b>CAS Number</b>	25322-68-3
<b>Applications</b>	Adhesives Chemical Intermediates Dye Carrier Excipient: Ointments and Creams, Tablet Binder and Coating Personal Care Plasticizer

## Typical Physical Properties<sup>(1)</sup>

Property	Value
Physical Form	Waxy Solid
Average Number of Repeating Oxyethylene Units	90
Range of Average Molecular Weight	3600 – 4400
Range of Average Hydroxyl Number, mg KOH/g	25 – 32
Density, g/cm <sup>3</sup> at 60°C	1.093
Melting or Freezing Range, °C	53 – 59
Solubility in Water at 20°C, % by weight	66
Viscosity at 100°C, cSt	140.4
Heat of Fusion, Cal/g	45

<sup>(1)</sup> Typical properties, not to be construed as specifications

**FDA Status** CARBOWAX™ Polyethylene Glycols are produced to meet the requirements for use under Food Additive Regulations for indirect use as components of articles intended for use in contact with food. It is the responsibility of the user of CARBOWAX™ PEGs and MPEGs to read and understand all current applicable FDA and EPA regulations, as well as any other applicable regulations.

**Product Stewardship** Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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