



## Technical Data Sheet

# CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 1450

<b>Product</b>	CARBOWAX™ SENTRY™ Polyethylene Glycol 1450 NF Flake (Inhibited) CARBOWAX™ SENTRY™ Polyethylene Glycol 1450 NF Molten (Inhibited) CARBOWAX™ SENTRY™ Polyethylene Glycol 1450 NF Molten (Uninhibited)
<b>Description</b>	Polyethylene Glycol
<b>CAS Number</b>	25322-68-3
<b>Applications</b>	Adhesives Antistatic Agents Chemical Intermediates Creams and Lotions Excipients: Ointments, Lubricants Mold Release Agent Personal Care Toothpaste and Dental Products

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

Property	Value
Physical Form	Waxy solid (Flake)
Average Number of Repeating Oxyethylene Units	32
Range of Average Molecular Weight	1305 – 1595
Range of Average Hydroxyl Number, mg KOH/g	70 – 86
Density, g/cm <sup>3</sup> at 60°C	1.09
Melting or Freezing Range, °C	42 – 46
Solubility in Water at 20°C, % by weight	72
Viscosity at 100°C, cSt	26.5
Heat of Fusion, Cal/g	37

<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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