



Technical Data Sheet

CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 4600

Product(s)	CARBOWAX™ SENTRY™ Polyethylene Glycol 4600 NF Granular (Inhibited)
Description	Polyethylene Glycol
CAS Number	25322-68-3
Applications	Adhesives Chemical Intermediates Dye Carrier Excipient: Ointments and Creams, Tablet Binder and Coating Personal Care Plasticizer

Typical Physical Properties⁽¹⁾

Property	Value
Physical Form	Waxy Solid
Average Number of Repeating Oxyethylene Units	104
Range of Average Molecular Weight	4140 – 5060
Range of Average Hydroxyl Number, mg KOH/g	22 – 27
Density, g/cm ³ at 60°C	1.093
Melting or Freezing Range, °C	54 – 60
Solubility in Water at 20°C, % by weight	65
Viscosity at 100°C, cSt	183.9
Heat of Fusion, Cal/g	45

⁽¹⁾ 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.

U.S.

Toll-Free 800 441 4DOW
989 832 1542

International

Europe/Middle East +800 36 94 63 67
Italy +800 783 825
Asia/Pacific +800 77 76 7776
+60 37 958 3392
Latin America +55 115 184-8722
South Africa +800 99 5078
<http://www.dow.com/>

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