



Technical Data Sheet

CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 300 Low Aldehyde

Product(s)	CARBOWAX™ SENTRY™ Polyethylene Glycol 300 NF Low Aldehyde; Macrogol 300 Ph. Eur.
Description	Polyethylene Glycol
CAS Number	25322-68-3
Typical Applications	Adhesives Antistatic Agent and Humectant Creams and Lotions Chemical Intermediates Excipient: Capsules, Liquid Oral Dose, Topical Food Packaging Inks and Dye Carrier Plasticizer

Typical Physical Properties⁽¹⁾

Property	Value
Physical Form	Liquid
Average Number of Repeating Oxyethylene Units	5.8
Range of Average Molecular Weight	285 - 315
Range of Average Hydroxyl Number, mg KOH/g	340 - 394
Density, g/cm ³ at 20°C	1.125
Melting or Freezing Range, °C	-15 to -8
Solubility in Water at 20°C, % by weight	Complete
Viscosity at 100°C, cSt	5.8
Heat of Fusion, Cal/g	37

⁽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.

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