



## Technical Data Sheet

# CARBOWAX™ SENTRY™ Polyethylene Glycol (PEG) 8000

### Product(s)

CARBOWAX™ SENTRY™ Polyethylene Glycol 8000 NF Flake (Inhibited); Macroglol 8000 Ph. Eur.  
CARBOWAX™ SENTRY™ Polyethylene Glycol 8000 NF Granular (Inhibited); Macroglol 8000 Ph.  
Eur.

### Description

CARBOWAX™ SENTRY™ Polyethylene Glycol 8000 NF Powder (Inhibited); Macroglol 8000 Ph. Eur.  
CARBOWAX™ SENTRY™ Polyethylene Glycol 8000 NF Molten (Inhibited)

### CAS Number

Polyethylene Glycol

CAS # 25322-68-3

### Applications

Tablet Binder and Tablet Coating  
Granulation Aid  
Indirect Food Contact (Packaging, Inks, Adhesives)  
Creams and Lotions  
Cosmetics and Personal Care

## Typical Physical Properties – CARBOWAX™ SENTRY™ PEG 8000<sup>(1)</sup>

Property	Value
Physical Form	Solid
Average Number of Repeating Oxyethylene Units	181
Range of Average Molecular Weight	7000 – 9000
Range of Average Hydroxyl Number, mg KOH/g	12 – 16
Density, g/cm <sup>3</sup> at 70°C	1.07
Melting or Freezing Range, °C	55 – 62
Solubility in Water at 20°C, % by weight	63
Viscosity at 100°C, cSt	500 - 900
Heat of Fusion, Cal/g	41

<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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