



PPG FLO-GARD™ 215 Carrier Silica

FOOD AND FEED

PPG FLO-GARD™ 215 silica is a synthetic, white, amorphous silicon dioxide product, designed as a highly absorptive carrier. A precipitated silica with excellent free-flowing characteristics, *Flo-Gard* 215 silica is also a cost effective carrier due to its high carrying capacity and bulk density.

Properties and Characteristics

Flo-Gard 215 silica is a white, odorless, free-flowing large particle silica product with a neutral pH. These properties make it compatible with a variety of liquid ingredients. It is manufactured under rigid process control, resulting in a consistent product, an important quality in obtaining uniform carrying capacity.

Flo-Gard 215 – Typical Properties

Particle Size, µm	~250
DOA Oil Absorption Number, mL/100g	200
pH	7.0
Moisture (as packaged), Wt.%	5.0
Residual salt (as NaCl), Wt.%	2.5 maximum



Applications

Flavors/Flavorings

Animal feed supplements

Vitamin oils



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Samples

Samples are available upon request from Customer Service.

Storage

To ensure product integrity, PPG recommends that our silica products be stored under dry, clean conditions and protected against exposure to other substances. Since silica may pick up moisture, we also recommend that products that are stored for more than one year from the date of manufacture be re-tested for moisture content. There is no shelf life limit when stretch-wrapped palletized units or bags are kept under the above stated conditions. Pallets should not be double-stacked.

Safety and Health Effects

PPG Industries recommends that, before use, anyone using or handling this product thoroughly read and understand the information and precautions on the label, as well as in other product safety publications such as the Safety Data Sheet. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be. The products mentioned herein can be hazardous if not used properly. Like all potentially hazardous materials, this product must be kept out of the reach of children.

High Absorption

Flo-Gard 215 silica is designed as a carrier to convert liquids into free-flowing, dry liquid concentrates, providing reproducible loadings up to 65 percent. Due to its unique structure, liquid loading can be accomplished much more quickly in a mixer without the need for intense mixing or the use of “choppers.” With a typical particle size of ~250 microns by Laser Diffraction *Flo-Gard* 215 silica is manufactured to be uniform, containing low levels of minus 200-mesh fraction particles.

Cost Effectiveness

Flo-Gard 215 silica has an average Bulk Density of 243 grams per liter, allowing for more efficient mixing and packaging, and lower transportation costs for the *Flo-Gard* 215 silica product as well as for the dry liquid concentrates manufactured with *Flo-Gard* 215 silica.

Product Safety and Regulatory Information

For the latest safety and regulatory information, please reference the product Safety Data Sheet and Global Product Safety and Regulatory Information Sheet available at www.ppgsilica.com/SDS.

Packaging

Standard packaging as follows:

Multi-wall paper 50 lb (22.7 kg) net weight
FIBC

Bags are unitized for shipping on pallets which are stretch wrapped with clear plastic film. Please consult customer service or your sales representative regarding additional packaging options, including custom package sizes and bulk shipments.

Visit www.ppgsilica.com for more information.



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