

Flo-Gard™ LPC

Free-Flow and Carrier Silica

FOOD AND FEED

Flo-Gard™ LPC silica is a large particle, low-dust, high-absorptivity general purpose free-flow and carrier silica. *Flo-Gard* LPC silica can be effective in a wide range of applications, from anti-caking applications in the Food industry to carrier silica applications in the Animal Feed industry. *Flo-Gard* LPC is particularly well-suited as a free-flow agent in medium to large particle size powder Food applications, for example ground herbs and spices. However, *Flo-Gard* LPC is also an efficient and cost-effective silica carrying agent, capable of converting many different liquids into free-flowing powders, or Dry Liquid Concentrates (DLCs), for example vitamin E acetate for Animal Feed applications.

Properties and Characteristics

Flo-Gard LPC silica is a synthetic amorphous precipitated silica that is white, odorless, and tasteless with a neutral pH. *Flo-Gard* LPC silica is produced by a controlled process yielding precipitated silica particles with a uniform particle size, resulting in a free-flowing low-dust powder that is very effective as an anti-caking agent. Due to a relatively large particle size and good carrying capacity, *Flo-Gard* LPC silica can also function as an effective carrier silica.



Applications

Free-Flow Agent

- Ground herbs and spices
- Paprika
- Granulated salt and sugar

Carrying Agent

- Vitamin E acetate
- Choline chloride
- Flavors/Flavorings



Flo-Gard LPC — Typical Properties

| | |
|--|-------------|
| Particle Size, µm | 135 |
| DBP Oil Absorption, mL/100g | 245 |
| pH | 6.9 |
| Moisture (as packaged), Wt. % | 5 |
| Residual salt (as Na ₂ SO ₄), Wt. % | 2.0 maximum |

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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 <http://www.ppgsilica.com/Customer-Service/Safety-Regulatory-Information.aspx>.

Packaging

Standard packaging as follows:

| | |
|------------------|----------------------------|
| Multi-wall paper | 40 lb (18 kg) net weight |
| FIBC | 575 lb (261 kg) net weight |

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

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-wrapper 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.

Visit www.ppgsilica.com for more information.



PPG Silica Products

Bringing innovation to the surface.™

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