

**FOOD AND FEED** 

FLO-GARD™ 233 silica is a synthetic, white, amorphous, precipitated silicon dioxide powder. *Flo-Gard* 233 silica is designed to work effectively as a carrier for various liquid chemicals, as a flow-aid and anticaking agent.

# **Properties and Characteristics**

Flo-Gard 233 silica is an absorptive, odorless, white, precipitated, powder with a typical median particle size of 18 microns by Laser Diffraction. Flo-Gard 233 silica is designed to carry high levels of active ingredients. This combination of properties makes Flo-Gard 233 silica an excellent carrier product. Flo-Gard 233 silica has a typical  $\rm N_2$  BET–5 point surface area of 135 m²/g. The neutral pH of Flo-Gard 233 silica makes it compatible with a variety of liquid ingredients.

Flo-Gard 233 — Typical Properties	
Particle Size, µm	18
DOA Oil Absorption Number, mL/100g	200
На	6.9
Moisture (as packaged), Wt.%	5.0
Residual salt (as NaCl), Wt.%	2.5 maximum



Applications
Flavors/Flavorings
Seasonings
Animal feed
Animal feed supplements





Flo-Gard 233 silica is designed as a small particle-sized carrier, that can be used to convert liquids into dry mix concentrates, providing reproducible loadings up to 60 percent.

## **Typical Applications**

Flo-Gard 233 silica can be used in any application to convert liquids into easy-to-handle products for both agricultural and rubber chemicals. Agricultural applications include uses in pesticides and herbicides, and as a plant dusting agent to prevent sun scalding. Due to its residual NaCl salt content, it is compatible with a number of products that are used in animal feed applications as a carrier or flow-aid. Industrial applications include elastomeric resins and antioxidants.

# **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 44 lb (20 kg) net weight 750 lb (340 kg) net weight

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.

## **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 stretchwrapped 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.



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