



# FLO-GARD™ T-700

## Flow Conditioning Silica

FOOD

FLO-GARD™ T-700 silica is a synthetic silicon dioxide specifically designed for optimizing free-flow properties in ultra-fine particle-size food ingredients.

### Properties and Characteristics

*Flo-Gard* T-700 precipitated silica is finely milled with a typical median particle size of 4 microns by Laser Diffraction. *Flo-Gard* T-700 silica is a highly absorptive, pure white powder that is odorless and tasteless. It is amorphous in structure, and has a neutral pH, and a BET 5 surface area of 195 m<sup>2</sup>/g. The product blends easily. It can be metered directly into the process stream, mixer or spray dryer.



### Applications

- Salt and seasoning powders
- Powdered drink mix
- Powdered instant coffee
- Food flavoring
- Gravy mixes
- Dairy and non-dairy creamers



<b><i>Flo-Gard</i> T-700 – Typical Properties</b>	
Particle Size, $\mu\text{m}$	4
DOA Oil Absorption Number, mL/100g	275
pH	6.9
Moisture (as packaged), Wt.%	5.0
Residual salt (as $\text{Na}_2\text{SO}_4$ ), Wt.%	2.0 maximum

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## Cost Effectiveness

*Flo-Gard* T-700 silica offers significant cost savings since it provides equivalent anti-caking efficiency at lower loadings compared to many competitive alternatives such as sodium aluminosilicate. *Flo-Gard* T-700 silica is effective across a wide variety of applications, allowing flow conditioner inventories to be reduced.

## 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](http://www.ppgsilica.com/SDS).

## 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.

## Packaging

Standard packaging as follows:

Multi-wall paper

15 lb (6.8 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](http://www.ppgsilica.com) for more information.



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