FLO-GARD™ SP silica is a synthetic silicon dioxide with superior capabilities for optimizing free-flowing properties in powdered food ingredients. Uniform shape and size allow Flo-Gard SP silica to blend easily and thoroughly at reduced dust levels. Flo-Gard SP silica is a versatile, cost-effective alternative to other flow conditioners, because it provides equivalent anticaking efficiency at lower loadings.

**Properties and Characteristics**

Flo-Gard SP silica is a unique precipitated silica. A controlled manufacturing process produces a uniform particle size that promotes free-flowing properties when added to powdered food ingredients. Flo-Gard SP silica is a highly absorptive, pure white, free-flowing powder. It is amorphous in structure, and has a neutral pH. Flo-Gard SP silica is also odorless and tasteless with a typical median particle size of 45 microns by Laser Diffraction.

<table>
<thead>
<tr>
<th>Flo-Gard SP – Typical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particle Size, µm</td>
</tr>
<tr>
<td>DOA Oil Absorption Number, mL/100g</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Moisture (as packaged), Wt.%</td>
</tr>
<tr>
<td>Residual salt (as Na₂SO₄), Wt.%</td>
</tr>
</tbody>
</table>

**Applications**

Granulated salt
Chili powder
Paprika and other spices
Guar gum
Seasoning powders
Powdered drink mixes
Efficient Blending, Reduced Dust Levels

*Flo-Gard* SP silica blends easily. Because of its very fine, uniform particle size, it requires no pre-blending. It can be metered directly into the process stream, mixer or spray dryer. Using a test method developed by PPG to measure product dust levels, *Flo-Gard* SP silica has been shown to be a superior performing flow-aid. In some spice applications, *Flo-Gard* SP silica was shown to generate lower dust levels than those applications containing equal loadings of competitive anticaking agents such as sodium aluminosilicate.

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.

High Absorption

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

Packaging

Standard packaging includes small bags and Flexible Intermediate Bulk Containers (FIBCs). Bags are unitized for shipping on pallets which are stretch wrapped with clear plastic film. FIBCs are single or double stacked on wood pallets. Please consult with customer service or your sales representative regarding additional packaging options including custom package sizes and bulk shipments.

Visit www.ppgsilica.com for more information.