



Flo-Gard™ 915

Fine Particle Flow Conditioning Silica

Flo-Gard™ 915 is a synthetic silicon dioxide specifically designed for optimizing free-flowing properties in fine particle-sized food ingredients. Flo-Gard™ 915 is a versatile, cost effective alternative to other flow conditioners because it provides equivalent anti-caking efficiency at lower loadings.

Typical Properties of Flo-Gard™ 915

DBP Oil absorption, mL/100g	220
Moisture, as packaged, Wt%	5
pH	6.9
Residual salt (as Na ₂ SO ₄), Wt%	1.0 maximum
SiO ₂ Hydrate, %	87 minimum

Registration Numbers

CAS No. 112926-00-8	Synthetic Precipitated Amorphous Silica
CAS No. 7631-86-9	TSCA Chemical Substance Inventory (SiO ₂)
231-545-4	European EINECS

Flo-Gard™ 915 Properties and Characteristics

Flo-Gard™ 915 is a unique finely milled precipitated silica with a typical median particle size of 10 microns by Laser Diffraction. Flo-Gard™ 915 is a highly absorptive, pure white, powder that is odorless and tasteless. It is amorphous in structure, and has a neutral pH. Flo-Gard™ 915 meets the criteria established by the Food and Drug Administration (FDA), Title 21 Food and Drugs, Code of Federal Regulations (CFR). It is listed as an anticaking agent under 172.480, but the amount cannot exceed 2% by weight of the food product. Flo-Gard™ 915 is also cleared under 133.146 (Grated Cheese), but the amount cannot exceed 2% by weight of the food. It has also been cleared under 160.105 and 160.180 (Dried Eggs and Dried Egg Yolks) but the amount cannot exceed 1% maximum of the finished food weight. There is no limit on the weight % Flo-Gard™ 915 silica, when it is used to carry flavors that are to be added to other food products. It is cleared under 172.230 (Flavoring Substances), whereas the Flo-Gard™ 915 silica content of the dried flavor put into the final food product cannot exceed 2% by weight of the final food product. Flo-Gard™ 915 meets the criteria established by the Food Chemical CODEX for silicon dioxide for use in food. Flo-Gard™ 915 is Kosher approved for Passover and year-round use. Flo-Gard™ 915 blends easily. It can be metered directly into the process stream, mixer or spray drier.

Cost Effectiveness

Flo-Gard™ 915 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™ 915 is effective across a wide variety of applications, allowing flow conditioner inventories to be reduced.

Typical Applications

Typical applications include fine particle salt and seasoning powders, powdered drink mixes, and powdered instant coffee blends. The versatility of Flo-Gard™ 915 also allows it to work effectively in food flavors, gravy mixes, and dairy and non-dairy creamers.

Packaging for Flo-Gard™ 915

Net weight

15 pounds (6.8 Kg)
300 pounds (136.1 Kg)

Bag Construction

multi-walled kraft paper bags
Flexible Intermediate Bulk Container (FIBC)

Bags are unitized for shipping on pallets which are stretch wrapped with clear plastic film. FIBC's are double stacked on wood pallets. Shipments can be made in truckloads.

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 silicas may pick up moisture we also recommend that products that are stored more than one year, from 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.

Safety and Health Effects

PPG Industries Inc. is committed to safe handling of chemicals at every step from manufacturing and distribution through education of the end user. Our participation in the American Chemistry Council's *Responsible Care*® Program is evidence of our commitment to the health, safety and welfare of our employees and the industry. PPG Industries Inc. recommends thoroughly reading and understanding the product labels, Material Safety Data Sheets, and other safety information about the product prior to use or handling. Product health and safety information should be made available to your employees and customers.



Service and Samples

PPG's Technical Service Specialists are available for consulting on the use, handling and storage of Flo-Gard™ 915.

Gallon containers and bag-size samples are available upon request from Technical Service.



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Technical Service: 1-800-764-7369



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