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Carrier and Free-Flow

FEED



Silica Carriers and Free-Flow Agents for Animal Feed Applications

FLO-GARD™ silica products are used as carriers to convert liquids – including difficult-to-handle viscous liquids – into free-flowing dry powders and premixes for animal feed applications. Not only do these products enable consistent and high loadings of ingredients and additives into animal feed, they also increase cost-effectiveness for manufacturers by enabling more efficient blending and processing.

Examples of liquid feed ingredients and additives that can be converted into dry powders using silica carriers, such as high-absorbency, high-biopotency *Flo-Gard* 213 silica, include:

- Vitamins, including Vitamin E (acetate) oil
- Choline chloride
- Ethoxyquin
- Lecithin
- Propionic acid
- Molasses
- Organic oils
- Chlortetracycline
- Other animal feed additives

Flo-Gard silica products also offer exceptional performance as silica free-flow/anti-caking and grinding agents in animal feed applications.

Flo-Gard Silica Product Properties for Free-Flow of Animal Feed Applications

Product	Particle Size* (µm)	DBP Oil Absorption (mL/100g)	pH	Residual Salt Type	Bulk Density (lb/ft ³)	General Use Recommendations
<i>Flo-Gard</i> 210	~1,400	225	6.9	NaCl	15	Carrier

<i>Flo-Gard</i> 213	~600	225	7.0	NaCl	16	Carrier
<i>Flo-Gard</i> SC-72	250	275	6.7	Na ₂ SO ₄	11	Carrier
<i>Flo-Gard</i> LPC	135	245	6.9	Na ₂ SO ₄	12	Carrier/Anti-caking
<i>Flo-Gard</i> SAC	40	295	6.9	Na ₂ SO ₄	9	Carrier
<i>Flo-Gard</i> SP	45	265	6.9	Na ₂ SO ₄	11	Anti-caking
<i>Flo-Gard</i> AB	40	305	6.9	Na ₂ SO ₄	8	Carrier/Anti-caking
<i>Flo-Gard</i> FF	20	210	6.9	Na ₂ SO ₄	8	Anti-caking
<i>Flo-Gard</i> 233	18	190	6.9	NaCl	9	Anti-caking
<i>Flo-Gard</i> 915	10	220	6.9	Low Na ₂ SO ₄	5	Anti-caking
<i>Flo-Gard</i> T-700	4	215	6.9	Na ₂ SO ₄	3	Anti-caking
<i>Flo-Gard</i> T-800	2.5	220	6.9	Na ₂ SO ₄	3	Anti-caking

*Median particle size by laser diffraction

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