

SIPERNAT® 37

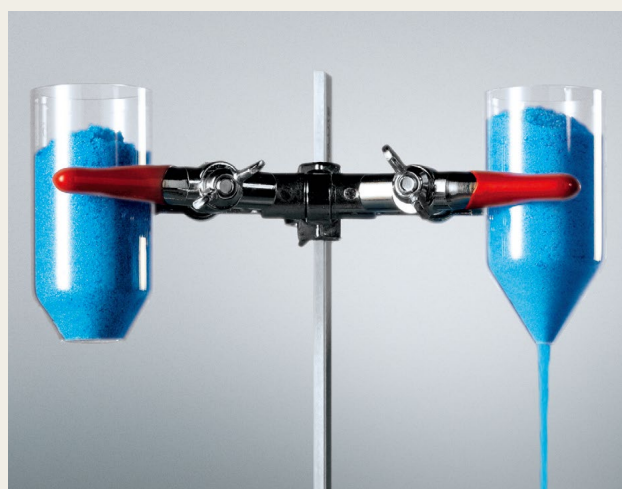
Outstanding Anticaking & Free-flow Agents for Food Powder



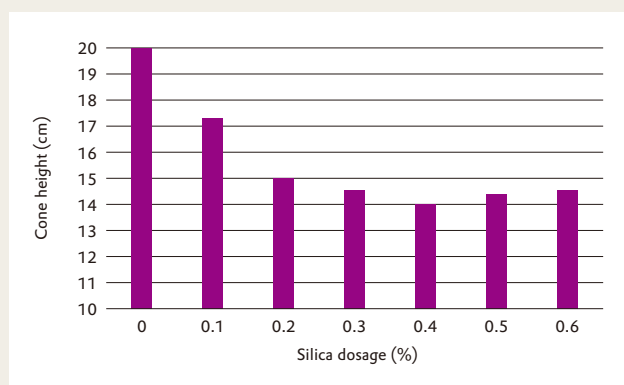
SIPERNAT® 37, a high performance free-flow and anti-caking agent for the food industry, designed to protect customers' product from moisture and solve the caking problems due to its high absorption capacity, small particle size, and ability to attract water. Also, high absorption capacity **SIPERNAT® 37** can easily convert sticky active ingredient oil into free flow powder. Lower dosage and easily dispersed powder. Superior anticaking performance (for high fat containing, hygroscopic powder).

COMPARISON OF SILICA TENTATIVE PHYSICO-CHEMICAL PROPERTIES

Properties and test methods	Unit	SIPERNAT® 37 (SD02012303 PL#14)
Specific surface area (N2) following ISO 9277	m ² /g	192
DOA absorption following ISO 19246	ml/100g	280
Particle size, d50 following ISO 13320	µm	22.3
Loss on drying (105°, 2 h)	wt. %	≤ 7.0
Tamped density ISO 787-11	g/L	88



SIPERNAT® 37: HIGH EFFICIENCY FOR SEASONING POWDER



SIPERNAT® 37: ANTI-CAKING PERFORMANCE

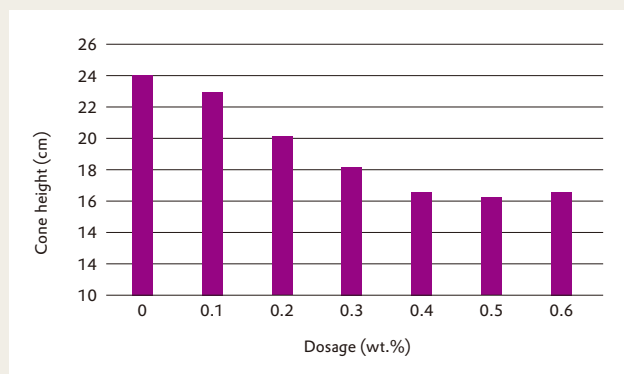
Temperature (45 °C) & Humidity (RH 75%) : 2 Days



0 wt.% SIPERNAT® 37

0.5 wt.% SIPERNAT® 37

SIPERNAT® 37: HIGH EFFICIENCY FOR NON-DAIRY CREAMER POWDER



SIPERNAT® 37: HIGH EFFICIENCY FOR ANTI-CAKING PERFORMANCE



0 wt.% SIPERNAT® 37



0.3 wt.% SIPERNAT® 37

SIPERNAT 37®: CARRIER PERFORMANCE

- Convert liquid to powder affords the easier operation
- High and consistent carrier capability
- Facilitate the precise dosage
- Improve the stability of ingredient
- Flavorless and no negative effect on flavor ingredient

The carrier performance of the surfactant liquid

Product	Particle size D50 / μm	DOA / ml / 100g	Carrier Capability wt.%
SIPERNAT® 37	22	280	74
Competitor product	300	235	65

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SIPERNAT® – reg. trademark of Evonik Industries AG and its subsidiaries.

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