

SF69

SF69

Description

SF69 silicone fluid is a specialty silicone fluid characterized by low viscosity and a surface tension lower than that of most silicone fluids. SF69 is a blend of silanol fluid and cyclic silicone. SF69 fluid has been used in both high viscosity and in air-dry coatings.

Key Features and Benefits

- Upgrades coatings surface characteristics
- Low viscosity
- Effective with high viscosity coatings
- Solubility in a wide range of solvents

Typical Physical Properties

Property	Value
Silicone Content, %	100
Specific Gravity @ 25C (77F)	0.97
Density, lbs gal	8.00
Viscosity @ 25C (77F), cps	1 - 40
Color	Clear
Flash Point, Pensky-Martens Closed Cup °C (°F)	63 (145)
Volatility (2 gm sample) when heated for 24 hrs. @ 150C (302F)	40 - 60%
Surface Tension	20 dynes/cm
Reducing Solvent	Aliphatic and Aromatic Hydrocarbons

Potential Applications

SF69 silicone fluid has been found useful as an aid in the reduction of pigment float, cratering and orange peel, particularly in high viscosity coatings and in air-dry coating systems. SF69 fluid is also used to increase the wetting ability of spray coatings.

Processing Recommendations

Processing Guidelines

SF69 fluid has been found useful at a concentration between 50 and 150 parts per million by weight based on total coating weight. Coatings containing SF69 fluid should be tested, particularly for recoatability before being used in production. Dilution of SF69 fluid in a solvent, or in one of the components of the coatings, simplifies the addition of low concentrations. SF69 fluid is soluble in aromatic and aliphatic hydrocarbons in ethers and in many alcohols. It is

not soluble in water or in methyl alcohol.

SF69 fluid can be added either in the mill base or at the final stages of production. Addition is often made at the mill base to aid in pigment dispersion and produce more lasting effects.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

The warranty period is 12 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 27C (80F) or below.

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (MPM) representative. **For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center.** Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

From automotive to healthcare, from electronics to construction, products from Momentive Performance Materials Inc. are practically everywhere you look. We are a global leader in silicones and advanced materials with a 70+ year heritage of innovation and being first to market – with performance applications that improve everyday life. By knowing our customers' needs and creating custom technology platforms for them, we provide science based solutions to help customers increase performance, solve product development issues and engineer better manufacturing processes.

Contact Information

For product prices, availability, or order placement, contact our customer service by visiting www.momentive.com/Contacts

For literature and technical assistance, visit our website at: www.momentive.com

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.

DISCLAIMER

The information provided herein was believed by Momentive Performance Materials Inc. (collectively with its subsidiaries, "Momentive") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product, and to determine the suitability of the product for user's intended application or use. All products supplied by Momentive are subject to Momentive's standard terms and conditions of sale. **MOMENTIVE MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY MOMENTIVE**, except that the product shall conform to Momentive's specifications. Nothing contained herein constitutes an offer for the sale of any products.