



# AF9000NE

## AF9000NE

### Description

AF9000NE antifoam is a 100% silicone compound found useful as an antifoam in many non-aqueous direct and indirect food additive and industrial applications. AF9000NE silicone antifoam compound provides maximum foam control in highly alkaline and highly acidic systems as well as neutral systems and exhibits improved efficiency and longevity over conventional antifoam compounds.

### Key Features and Benefits

- Advanced defoamer technology with improved efficiency over conventional silicone antifoams.
- 100% silicone
- Meets FDA food grade requirements
- Kosher and Parve

### Typical Physical Properties

Property	Value
Silicone/Silica Content, %	100
Density, lbs/gal	8.4 (3.81 KG/L)
Specific Gravity @ 25°C/77°F	1.01
Viscosity @ 25°C(77°F)cps max	2500
Flash Point, open cup, C (F) min	315 (600)

### Solubility

Soluble in aliphatic, aromatic and chlorinated solvents. Typical solvents are toluene, xylene, mineral spirits, hexane, heptane, naphtha, methylene chloride, 1,1,1-trichloroethane, amylacetate, methylethylketone, 2-ethyl hexanol, ethyl ether and cyclohexane

### Storage Stability

Mild agitation should be employed prior to use to disperse solids uniformly.

### Potential Applications

AF9000NE silicone antifoam compound is suggested for use in the following applications:

- Adhesive manufacture
- Chemical processing
- Ink manufacture
- Paint manufacture
- Resin polymerization
- Formulating antifoam emulsions
- Insecticides/Herbicides
- Wool fats

### Petroleum Processing

- Gas scrubbing
- Glycol
- Vacuum tower unit
- Propane deasphalting

- Udex units

#### **Food Processing**

- Corn oil manufacture
- Deep-fat frying
- Esterification of vegetable oil
- Fermentation
- Antifoam formulating
- Yeast processing

### **Processing Recommendations**

AF9000NE silicone antifoam compound may be used as received or diluted prior to use. Dilution or dispersion of the material prior to use, either in solvent or in one of the foaming ingredients, provides an excellent means for incorporating low concentrations of silicone antifoam accurately and economically into a non-aqueous system. Prediluted solutions should be kept under agitation or mildly agitated before use. Such dilution or dispersion may provide greater ease of handling and more effective use of silicone.

AF9000NE silicone antifoam compound may also be metered into continuous process systems.

When evaluating AF9000NE antifoam, it is suggested that evaluation be started at 10ppm silicone. This starting point represents an average level of silicone found to be effective in many applications. The level can then be adjusted in either direction to determine the minimum effective concentration for the specific system requiring foam control.

For applications related to food processing, consult applicable FDA or USDA regulations for the maximum permissible level of silicone.

**ATTN.: 'NOT FOR INJECTION INTO HUMANS'**

### **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 16-23°C/60-75°F.

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](http://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.

#### **Contact Information**

For product prices, availability, or order placement, contact our customer service by visiting [momentive.com/ContactSilicones](http://momentive.com/ContactSilicones).

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

#### **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

AF9000NE

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 product.

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