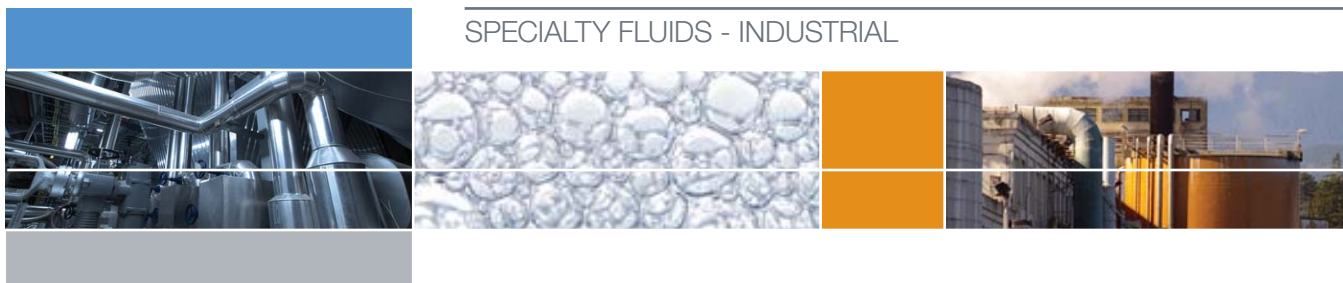


# AF9000 NE silicone antifoam

SPECIALTY FLUIDS - INDUSTRIAL



**AF9000 NE antifoam is a 100% silicone compound employed as an antifoam in many industrial applications. AF9000 NE silicone antifoam compound is the successor of the AF9000 antifoam; it has similar specifications and performance to provide maximum foam control in highly alkaline, highly acidic and neutral systems. AF9000 NE antifoam is an excellent candidate to consider to improve efficiency and longevity over conventional antifoam compounds.**

### Key Features and Typical Benefits

- advanced defoamer technology with improved efficiency over conventional silicone antifoams
- 100% silicone
- kosher and parve

AF9000 NE silicone antifoam can support compliance with the following 21 CFR regulations:

- 173.340
- 175.105
- 175.300
- 176.170
- 176.180
- 176.200
- 176.210
- 176.1200
- 177.2800
- 178.3120
- 178.3520

### Potential Applications

AF9000 NE silicone antifoam is an excellent candidate to consider for use in the following applications:

#### Chemical Processing

- adhesive manufacture
- ink manufacture
- paint manufacture
- resin polymerization
- formulating antifoam emulsions
- insecticides/herbicides
- wool fats

#### Petroleum Processing

- gas scrubbing
- glycol
- vacuum tower unit
- propane de-asphalting
- udex units

#### Food Processing

- corn oil manufacture
- deep-fat frying
- esterification of vegetable oil
- fermentation
- antifoam formulating
- yeast processing

### 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, Pensky-Martens closed cup ASTM D 93, °C	>204

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

## AF9000 NE silicone antifoam

### 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.

### Compatibility

AF9000 NE can support compliance with the following FDA Regulations:

**21 CFR 173.340** Defoaming Agents; **21 CFR 175.105** Adhesives; **21 CFR 175.300** Resinous and polymeric coatings; **21 CFR 176.170** Components of paper and paperboard in contact with aqueous and fatty foods. **21 CFR 176.180** Components of paper and paperboard in contact the dry food; **21 CFR 176.200** Defoaming agents used in coatings; **21 CFR 176.210** Defoaming agents used in the manufacture of paper and paperboard; **21 CFR 176.1200** Cellophane; **21 CFR 177.2800** Textiles and textile fibers; **21 CFR 178.3120** Animal glue and **21 CFR 178.3850** Lubricants with incidental food contact.

Users are advised to refer to the regulations for the requirements and limitations subject to their specific conditions of use.

### General Instructions for Use

AF9000 NE 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, can provide 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 silicone use. AF9000 NE silicone antifoam compound may be metered into continuous process systems.

When evaluating AF9000 NE 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.

## AF9000 NE silicone antifoam

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the 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

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products 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.

### Emergency Service

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Momentive Performance Materials maintains an around-the-clock emergency service for its products.

<u>Location</u>	<u>Emergency Service Provider</u>	<u>Emergency Contact Number</u>
Mainland U.S., Puerto Rico	CHEMTREC	1-800-424-9300
Alaska, Hawaii	CHEMTREC	1-800-424-9300
Canada	CHEMTREC	1-800-424-9300
Europe, Israel	NCEC	+44 (0) 1235239670
Middle East	NCEC	+44 (0) 1235239671
Asia Pacific (except China)	NCEC	+44 (0) 1235239670
China	NCEC	+86-10-5100-3039
Latin America (except Brazil)	NCEC	+44 (0) 1235239670
Brazil	SOS Cotec	08000111767 or 08007071767
All other locations world wide	NCEC	+44 (0) 1235239670
At sea	Radio U.S. Coast Guard in U.S. waters NCEC in International waters	+44 (0) 1235239670

For Health related calls, contact Momentive Performance Materials at +1-518-233-2500 (English only).

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DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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