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

<table>
<thead>
<tr>
<th>Typical Physical Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone/Silica Content, %</td>
<td>100</td>
</tr>
<tr>
<td>Density, lbs/gal</td>
<td>8.4 (3.81 KG/L)</td>
</tr>
<tr>
<td>Specific Gravity @ 25°C (77°F)</td>
<td>1.01</td>
</tr>
<tr>
<td>Viscosity @ 25°C (77°F) cps max</td>
<td>2500</td>
</tr>
<tr>
<td>Flash Point, Pensky-Martens closed cup ASTM D 93, °C</td>
<td>&gt;204</td>
</tr>
</tbody>
</table>

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, methyl ethyl ketone, 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:


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 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**

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

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

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

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