Technical Data Sheet

AF9010E

AF9010E

Description

AF9010E is a 10% antifoam emulsion of polydimethylsiloxane useful for defoaming aqueous systems. AF9010E may be used in both industrial and food grade applications.

Key Features and Benefits

- Easy dispersability
- Dilutable with water
- Excellent foam control

Typical Physical Properties

Property	Value
Appearance	White
Silicone Solids (active)	10%
Specific Gravity	1.01
Viscosity	1500 cps
Emulsifier Type	Nonionic
Diluent	Water

Potential Applications

Food	Industrial
Fermentation processes	Carpet cleaning
Jam and jelly making	Pesticide/herbicide formulations
Wine production	Chemical distillations
Fruit and vegetable processing	Waste water treatment

Processing Recommendations

The amount of antifoam required will be dependent upon the application, however, it is recommended that evaluations begin at 10 ppm of active silicone. While there is no limit to the silicone concentration that may be used in industrial applications, in food grade applications the silicone concentration must not exceed 10 ppm (consult applicable FDA regulations for conditions or limitations of use). Prior to addition to the foaming solution, AF9010E should be gently agitated to insure emulsion uniformity. The AF9010 may then be used as received or may be prediluted with cool water before addition to the foaming solution.

The concentrations of AF9010E required to achieve a silicone level of 10 ppm are listed below:

Foaming Solution Volume (gallons)	AF9010E Concentration (ounces)
500	6.7
1000	13.4
3000	40.2

* Not for injection into humans

Specifications

REGULATORY STATUS

FDA

AF9010E may be used in food contact applications where FDA regulations apply. Consult Momentive Performance Materials publication #4256 for applicable regulations for specific limitations and conditions of use.

Kosher Certification:

AF9010E is certified to be Kosher and Parve.

USDA

AF9010E may be used on equipment which may contact edible products in official establishments operating under the Federal Meat and Poultry Products Inspection Program. See reference #4256 for specific details.

EPA Pesticide Chemical Regulations
The ingredients in AF9010E are exempt from the requirement of a tolerance under EPA Regulation 40 CFR 180.1001 (d) {growing crops only}.

Availability
AF9010 may be ordered from Momentive Performance Materials, Waterford, NY 12188, the Momentive Performance Materials sales office nearest you, or an authorized Momentive Performance Materials product distributor.

Patent Status
Standard copy to come

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 4 to 27°C (40 to 80°F).
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Limitations
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