



## TECHNICAL BULLETIN

### TayChem RE-335FC

F.D.A.-Compliant Silicone Antifoam Emulsion

#### Description:

TayChem RE-335FC is a water-based emulsion containing thirty-five percent (35%) silicone fluid. Economical and easy to use, this F.D.A.-compliant, silicone emulsion functions well as a release agent for a multitude of industrial applications.

TayChem RE-335FC is advantageous as a release agent because it is water-dispersible, is easy to apply, and gives an easy release. Because this product contains silicone, it can be used in low concentrations, has good lubricity, high-temperature stability, low volatility, and is chemically inert. These properties also enable TayChem RE-335FC to be used in other industrial capacities, including use as a lubricant.

#### Application And Usage Guidelines:

TayChem RE-335FC contains thirty-five percent (35%) silicone and can be used at levels ranging from 0.2% to 5% silicone in most applications. A good starting point is 2% to 3% silicone, but thorough testing will be necessary to optimize the proper level required for any given application. To dilute, add TayChem RE-335FC to water with agitation. Use diluted product immediately; otherwise, maintain agitation in the diluted material to prevent "creaming" at the surface of the diluted liquid.

#### Typical Properties:

Property	Characteristic
Appearance	Milky- White Emulsion
Solids Content (%)	Ca. 40
pH Value	6.0 To 8.0
Solubility In Water	Dispersible
Ionic Character	Nonionic

Note: These figures are intended as a guide and should not be used in preparing specifications.

#### F.D.A. Status:

TayChem RE-335FC contains only nonionic emulsifiers and can be used per Food and Drug Administration Code of Federal Regulations, Section Nos. 175.300, 176.170, 177.2600, and 178.3400. For specific applications and/or limitations, please contact TayChem Industries, Ltd.

#### Storage And Handling:

TayChem RE-335FC has a shelf life of at least six months if stored in its original, sealed container at temperatures not exceeding 25°C or 70°F and protected against freezing. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application.

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**Storage And Handling: {Continued}**

If you intend to dilute the emulsion with water, make certain that you use the dilution in full immediately or stabilize the dilution with added biocides.

**Safety Instructions:**

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. This information is available upon request from TayChem Industries, Ltd.

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