

# TRAMFLOC, INC.

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## Technical Information Bulletin

### Tramfloc® 1174 FOOD GRADE FOAM CONTROL AGENT

#### *Product Description*

Tramfloc® 1174 is a Kosher, Pareve and halal certified food-grade aqueous emulsion defoamer designed to control foam in various food processes. Tramfloc® 1174 complies with 21 CFR 173.340 (a) (1) and (2) and is considered GRAS. According to this regulation, different foods have specific limitations. Tramfloc® 1174 was specifically designed to be used in food systems which experience foam formation due the presence of fats, oils, protein, sugars and other process ingredients. There are no animal products used to manufacture of Tramfloc® 1174. Ingredients are approved vegetable based active agents, vegetable oils, and silica. This formulation is useful in controlling foam in food systems at relatively low rates.

#### *Properties*

Tramfloc® 1174 has an appearance of an opaque, pale amber liquid. It is dispersible in water and has a density of 7.68 lbs. per gallon. The formulation's flash point is >400° F.

#### *Uses*

Tramfloc® 1174 is used for the following applications: potato processing, starch recovery, sugar processing, oil frying, methane generation, ethanol fermentation, aerobic and anaerobic digestion of organic substrates, and vegetable processing. Stirring is recommended prior to use of this product. In the production of foods, a starting dose of 80 ppm is recommended. The dosage should be adjusted to achieve the desired level of foam control. It is recommended that the maximum use level of Tramfloc® 1174 in processed foods should not exceed that which is deemed necessary to control foam in the process. Tramfloc® 1174 should be added neat via metering system directly to the foaming medium at a point prior to foam generation. Tramfloc® 1174 is safe to use in membrane system feed waters. Tramfloc® 1174 is used in whey evaporators while the formulation promotes wetting of the evaporator's surfaces and flow of the concentrated whey as it increases in solids. This results in less fouling of the surfaces, more efficient evaporation and cleaner evaporator surfaces.

#### *Safety and Health*

Wash exposed areas with soap and water. Flush eyes with water for a minimum of 15 minutes. If irritation or nausea persists, seek medical attention. If inhalation occurs, move victim to fresh air. If unconscious, administer artificial respiration and seek medical attention.

#### *Packaging*

Tramfloc® 1174 is available in 410# drums, 2500# fiber totes, tank trucks and tank cars.

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