

# TRAMFLOC, INC.

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## Technical Information Bulletin

### TRAMFLOC® 1169 FOAM CONTROL AGENT

#### ***Product Description***

Tramfloc®1169 is a polyoxy (ethylene/propylene) glycol ester derived from vegetable oil. This formulation is certified both Kosher and Pareve. Tramfloc®1169 is effective in a wide range of applications, in particular, phosphoric acid production. This product is useful in controlling foam in a variety of hard rock mining, mineral acid processing systems at relatively low application rates.

#### ***Properties***

Tramfloc®1169 has an appearance of an amber liquid. It emulsifies in water and has a specific gravity of 0.931 at 250 C. The formulation's flash point is >325° F. The product is silica free.

#### ***Uses***

Tramfloc®1169 is used for the following applications: Phosphoric acid and mineral acid production, potato processing, starch recovery, sugar processing, and vegetable processing. Tramfloc®1169 is 100% active and has excellent efficacy in fermentation and high temperature applications which produce edible gums, enzymes, alcohol, monosodium glutamate, and citric acid. Tramfloc®1169 may be added to wash water.

In the production of phosphoric acid, a starting dose of 60 to 120 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®1169 in processed foods should not exceed that which is deemed necessary to control foam in the process.

Tramfloc®1169 should be added as received via metering system early in the foaming process to prevent foam formulation.

#### ***Properties***

Tramfloc®1169 is packaged in 430# steel, nonreturnable drums, in 2600# IBC's and in bulk delivery.

#### ***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.

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