

TRANS-FG2K - NON-SILICONE, FOOD-GRADE DEFOAMING ADDITIVE

COMPOSITION, STORAGE AND REGULATORY STATUS

TRANS-FG2K is a water-based, non-silicone, food-grade emulsion designed to control foam in aqueous food-canning processes where the presence of silicone is not desired or cannot be tolerated. TRANS-FG2K disperses readily when added to an aqueous system, yet possesses slight insolubility to control excessive foam. When used in sufficient but not excessive quantities, TRANS-FG2K should in no way alter the taste of food products.

TRANS-FG2K contains only ingredients that are recognized by qualified experts as safe in food products according to the Code of Federal Regulations, Title 21, part 173.340. It may therefore be used as a direct food additive. As a processing aid, TRANS-FG2K is considered a secondary direct food additive and imparts no functional attributes to the food. Consult the Code of Federal Regulations for further clarification on antifoam usage in your foodstuff.

TRANS-FG2K utilizes only food-grade nonionic emulsifiers. The emulsion is stable and relatively long lasting; nevertheless, the product should be protected from freezing and prolonged exposure to direct sources of heat, moisture, and sunlight. It is acceptable to refrigerate TRANS-FG2K to extend its shelf life. Applied Material Solutions recommends that the product be used within six months, particularly for food-grade applications; however, when refrigerated TRANS-FG2K may be usable for a longer period of time. TRANS-FG2K is ultimately a perishable commodity, and should be afforded an equivalent level of care.

APPLICATION AND USAGE GUIDELINES

TRANS-FG2K is normally added directly to the foaming system, but it may be dispersed in water with agitation prior to application. Aqueous dispersions of TRANS-FG2K are not stable for long periods of time and should be used immediately. Do not add water directly to TRANS-FG2K and store the product in this manner: product stability may be compromised. Each foaming problem is unique and requires different treatment levels of TRANS-FG2K. Use only the minimum amount of defoamer required to control the foam. Trial testing will be necessary to optimize the amount of TRANS-FG2K used in a given process. As with any antifoam and defoamer, thorough testing should always be conducted to determine the suitability and compatibility of the antifoam with the foaming system.

PRODUCT & PACKAGING INFORMATION

Product	Description	pH	Viscosity	Solubility in Water	Specific Gravity	Weight per Gallon	Appearance	Drum Weight	Pail Weight
TRANS-FG2	Food-grade antifoam	3.5 – 4.5	Pseudoplastic	Dispersible	1.00	8.35 #	Creamy White Emulsion	450 #	40 #
TRANS-FG2K	Kosher certified, food-grade antifoam	3.5 – 4.5	Pseudoplastic	Dispersible	1.00	8.35 #	Creamy White Emulsion	450 #	40 #

PACKAGING OPTIONS

TRANS-FG2K antifoams are available in 55-gallon blue poly drums & 5-gallon HDPE pails. By special request, the following packaging options are also available: bulk tanker, 275-gallon totes, 55-gallon lined openhead or tighthead steel drums, and 30 or 15-gallon poly drums. Poly drums are blue unless specifically requested. Special requests may necessitate ordering in advance.

LIMITED WARRANTY – PLEASE READ CAREFULLY

For any given application, it is the responsibility of the end-user to assess the antifoam for suitability, performance, and safety. Applied Material Solutions' sole warranty is that the antifoam, as supplied at the time of shipment, will meet the specifications described on the Certificate of Analysis. All other warranties, either express or implied, are disclaimed by Applied Material Solutions, including the warranties of merchantability and of fitness for use. Applied Material Solutions' sole liability is limited to the refund of the purchase price or replacement of any antifoam shown to be other than as warranted. Applied Material Solutions disclaims any liability for any incidental or consequential damages resulting from the use of this product.

© 2016 Applied Material Solutions, Inc. All rights reserved.

Applied Material Solutions, Inc., 1001 E. Centralia Street, Elkhorn, WI 53121
 Phone: 262 / 723-6595 Fax: 262 / 723-3830 www.appliedmaterialsolutions.com