

## TRANS-402 FOOD-GRADE DEFOAMER

### COMPOSITION AND REGULATORY STATUS

TRANS-402 is a 100% active, food-grade, kosher defoamer designed to destroy foam in aqueous environments, especially those food manufacturing, fermentation, agricultural and industrial-grade processes where the presence of silicone is not desired or cannot be tolerated. TRANS-402 contains no silicone and no mineral oils.

TRANS-402 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. Because of its GRAS status, it may therefore be safely used as a direct food additive in an amount not to exceed that reasonably required to inhibit foaming in most food applications. When used in sufficient but not excessive quantities, TRANS-402 should not alter the taste or odor of food products.

TRANS-402 may also find utility as an indirect food additive for the manufacture of articles or components of articles intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food; and is approved for the following regulations: 21 CFR 175.105, 175.320, 176.170, 176.200, 176.210, 177.1200, 177.2260, 177.2800, 178.3910. Please consult the Code of Federal Regulations for further clarification on defoamer usage in your particular food-grade application.

### APPLICATION AND USAGE GUIDELINES

TRANS-402 is insoluble in water, but may be dispersed with sufficient agitation. This defoamer was designed to be added to the foaming media in its neat form, either by metering through a pump or by direct addition. Do not dilute or extend this defoamer with water or other solvents. Because each foaming problem is unique and requires different treatment levels of defoamer, trial testing will be necessary to optimize the amount of TRANS-402 required for a given process. Use only the minimum amount of defoamer required to control the foam in your particular application. As with any defoamer, thorough testing should always be conducted to determine the suitability and compatibility of the defoamer with the foaming system and processing equipment.

### PRODUCT & PACKAGING INFORMATION (Values listed below are approximations; actual values may vary slightly)

Product	Viscosity	Solubility in Water	Specific Gravity	Weight per Gallon	Appearance	Drum Weight	Pail Weight
TRANS-402	1000-2500 cP	Insoluble (Partially Dispersible)	0.95	7.9 #	Opaque Yellow to Cream-Colored Liquid	425 #	40 #

### PACKAGING OPTIONS

TRANS-402 defoamer is available in 55-gallon lined tighthead steel drums, 5-gallon pails, or 275-gallon plastic totes.

#### 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](http://www.appliedmaterialsolutions.com)



**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](http://www.appliedmaterialsolutions.com)