

TRANS-400 FOOD-GRADE DEFOAMER

COMPOSITION AND REGULATORY STATUS

TRANS-400 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-400 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, and 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. As a food processing aid, TRANS-400 is considered a ‘secondary direct food additive.’ When used in sufficient but not excessive quantities, TRANS-400 should not alter the taste or odor of food products.

TRANS-400 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-400 was designed to be added to the foaming media in its neat form, either by metering through a pump or by direct addition. However, it is sometimes preferable to disperse TRANS-400 in water with gentle agitation prior to use. Aqueous dispersions of TRANS-400 are not stable for long periods of time and should be used immediately. For best results, maintain agitation in the dispersion until the moment of application, or at least ensure that the dispersion is thoroughly stirred immediately prior to application. Do not store the defoamer in diluted form for long periods of time.

Each foaming problem is unique and requires different treatment levels of defoamer. Use only the minimum amount of defoamer required to control the foam. Experimentation is usually necessary to optimize the amount of defoamer used in a given process, and 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-400	1000-2500 cP	Dispersible with Agitation	0.95	7.9 #	Opaque Yellow to Cream-Colored Liquid	425 #	40 #

PACKAGING OPTIONS

TRANS-400 defoamer is available in 5-gallon pails, 55-gallon TH drums, 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.

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