

TRANS-708 - OIL-BASED, SILICONE-FREE DEFOAMER

COMPOSITION, DATA AND REGULATORY STATUS

TRANS-708 is a mineral oil-based, non-aqueous, silicone-free defoamer designed to control foam and eliminate entrained air in many different types industrial processes, including (but not limited to) such applications as: coatings, paints, latex, chemical processing and industrial wastewater. The functional properties developed especially for TRANS-708 to eliminate and prevent excessive foam include: quick dispersibility, slight insolubility, relative stability, and a high degree of spreadability in the foaming system.

Product	Composition	Viscosity	Solubility in Water	Specific Gravity	FDA Information *	Appearance	Drum Weight	Pail Weight
TRANS-708	Oil-Based Blend with Silica Derivatives & Waxes	400 - 800 cps	Dispersible	0.87	21 CFR 175.105 21 CFR 176.200 21 CFR 176.210 21 CFR 175.300 21 CFR 177.1210	Creamy Opaque Liquid	390 #	35 #

* Other FDA regulations may be permissible as well; please inquire about specific usage guidelines not listed.

APPLICATION AND USAGE GUIDELINES

To control foam, the recommended method of application is to add TRANS-708 defoamer directly to the foaming product or process in its neat form. To improve ease of pumping and application, if desired, this defoamer may be pre-diluted with 1 to 3 parts water immediately prior to application. Upon diluting, it will create a thin, pumpable emulsion. However, it is advisable to use the all of the diluted material immediately, or within a short period of time (a few days). Diluted defoamer emulsion will demonstrate "creaming" (subtle separation) upon storage, and is susceptible to spoilage if not promptly used. It is advisable to mix or agitate the diluted emulsion prior to use, especially if it was not used in full immediately after dilution, and if it has been allowed to sit unused for more than several hours.

Each foaming problem is unique and requires different treatment levels of defoamer, therefore use only the minimum amount of defoamer required to control the foam. Trial testing will be necessary to optimize the amount of defoamer used in a given process. A good starting point is to begin testing the defoamer between 100 and 1000 parts per million (0.01 – 0.10% by weight), and to scale defamer concentration up or down from there as needed. Usage levels in the range of 2500 to 5000 ppm are not uncommon in some products and processes. As with any antifoam or defoamer, thorough testing should always be conducted to determine the suitability and compatibility of the defoamer with the foaming system and processing equipment.

STORAGE

TRANS-708 defoamer is stable and long lasting; nevertheless, the product should be protected from storage outside in very hot direct sunlight, or in extremely cold weather. Avoid exposure to direct sources of oxidizing chemicals, heat, sparks, and flames. Close tightly after use. If left outside to become hot in direct sunlight, product may form a gel-like consistency that is difficult to reconstitute. If left in temperatures below 10° F. for a prolonged period of time, product may become viscous and gel-like. If this occurs, simply allow product to warm to room temperature and stir before use. Over many months of storage, TRANS-708 will demonstrate a settling of the solids within the body of the liquid. If the product is stored for long periods of time without use, be certain to stir the defoamer thoroughly to ensure a homogeneous product. Applied Material Solutions recommends that TRANS-708 defoamer be used within six months to a year.

PACKAGING OPTIONS

TRANS-708 defoamer is available in 55-gallon blue steel tighthead drums & 5-gallon HDPE pails. By special request, the following packaging options are also available: bulk tanker, 275-gallon HDPE totes, and 55-gallon openhead drums. 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 product for suitability, performance, and safety. Applied Material Solutions' sole warranty is that the product, 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 product 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