

## **TRANS-713 - OIL-BASED, NON-SILICONE DEFOAMER**

### **COMPOSITION AND REGULATORY STATUS**

TRANS-713 is a mineral oil-based, non-aqueous, non-silicone defoamer designed to control foam and eliminate entrained air in many different types of 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-713 to eliminate and prevent excessive foam include: water dispersibility, slight insolubility, relative stability, and a high degree of spreadability in the foaming system.

### **TYPICAL PROPERTIES**

Product	Composition	Viscosity	Solubility in Water	Specific Gravity	FDA Information *	Appearance
<b>TRANS-713</b>	Oil-Based Blend with Silica Derivatives	1000 - 2000 cps	Water Dispersible	0.95	21 CFR 176.170 21 CFR 176.180 21 CFR 176.210	Opaque Amber Liquid

\* 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-713 defoamer directly to the foaming product or process in its neat form.

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 simple technique is to begin testing the defoamer at a few points between 50 and 500 parts per million (0.005 – 0.05% by weight) to ascertain performance, and then scale the defoamer concentration up or down from there as needed. Usage levels well below this range, and sometimes even well above, 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-713 defoamer is stable and long lasting; nevertheless, the product should be protected from storage outside in direct sunlight, very hot temperatures, or extremely cold weather. Avoid exposure to direct sources of oxidizing chemicals, heat, sparks, and flames. Close tightly after use. If left in temperatures below 10° F or above 100° F for a prolonged period of time, product may become viscous and gel-like. If this occurs, simply allow product to return to room temperature and stir before use. Over many months of storage, TRANS-713 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. For optimal performance, Applied Material Solutions, Inc. recommends that TRANS-713 defoamer be used within one year.

### **PACKAGING OPTIONS**

TRANS-713 defoamer is available in 55-gallon blue steel tighthead drums at 440 lbs. & 5-gallon HDPE pails at 40 lbs. 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 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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