TRANS-245 - SILICONE-FREE ANTIFOAM

COMPOSITION AND REGULATORY STATUS

TRANS-245 is a water-based, biodegradable, silicone-free antifoam developed to prevent excessive foaming in C.I.P. cleaning systems and auto-dishwashing applications. It is alkali-soluble and stable, performs in high temperature systems and high protein soil conditions such as whey evaporators, and possesses mild detergency. TRANS-245 is effective within the food industry where direct contact with food is not expected to occur, and when followed by a potable water rinse.

APPLICATION AND USAGE GUIDELINES

To control foam, TRANS-245 is normally added directly to the foaming product or process. Each foaming problem is unique and requires different treatment levels of TRANS-245, and trial testing will be necessary to optimize the amount of TRANS-245 used in a given process. For CIP applications, it is suggested to start by adding 100 -150 ml of TRANS-245 to every 5000 gal CIP makeup, and experimentally adjust the dosage rate as needed to the specific conditions in the plant. During an actual foaming event, start with 400 ml to 10,000 gallons CIP solution and adjust from there. Due to the highly variable nature of foaming mediums, sometimes appreciably more or less defoamer will be required for a given process. For direct addition into caustic cleaning formulations, a good starting point is 0.2 to 0.5% by weight of the liquid caustic in an aqueous system. For example, a standard recommendation is 3 oz. of TRANS-245 for each 10 gallons of liquid caustic soda. TRANS-245 will cloud when exposed to slightly elevated temperatures. This reversible phenomenon is normal, and is the mechanism by which TRANS-245 derives its efficacy within high-temperature cleaning systems. TRANS-245 performs best in alkaline processes operating at temperatures above 90° F (32 °C). As with any antifoam or defoamer, thorough testing should always be conducted to determine the suitability and compatibility of the antifoam with the foaming system and processing equipment.

STORAGE

TRANS-245 antifoam is stable and long lasting; nevertheless, the product should be protected from freezing and prolonged exposure to direct sources of heat. Should TRANS-245 freeze, thaw the product at room temperature with the container closed and gently stir once completely thawed. Do not dilute TRANS-245 with water and store the product in diluted form: product stability will be compromised. Applied Material Solutions recommends that the product be used within one year.

PHYSICAL, CHEMICAL, & PACKAGING INFORMATION (Values are approximations)

Product	pH (neat)	Viscosity	Solubility in Water	Specific Gravity	Weight per Gallon	Appearance	Drum Weight	Pail Weight
TRANS-245	7.0 – 8.0	50 cps	Readily Dispersible	1.03	8.53 #	Transparent Orange Liquid	460 #	40 #

PACKAGING OPTIONS

TRANS-245 is 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.

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