

# TRANS-220D (NON-SILICONE ANTIFOAM)

## WHERE IT'S USED

TRANS-220D antifoam is designed to control foam in aqueous systems where the presence of silicone is not desired or is otherwise ineffective. TRANS-220D finds utility in a multitude of applications ranging from fuel ethanol production to wastewater to metal finishing.

## COMPOSITION

TRANS-220D is a water-based, non-silicone, antifoam emulsion containing a fine grade of white mineral oil and nonionic emulsifiers. TRANS-220D does not contain reportable levels of any hazardous ingredient. Therefore, when used properly, this antifoam agent is considered a relatively safe class of chemical additives.

## TYPICAL PROPERTIES

Product	Description	Viscosity *	Solubility in Water	Specific Gravity	Weight per Gallon	Appearance
<b>TRANS-220D</b>	Industrial-grade antifoam	Readily Pourable ~ 1500 cps	Moderately Dispersible	0.960	7.98 #	Opaque White Liquid

\* TRANS-220D is a non-Newtonian fluid whose measured viscosity is predicated on shear force. Product viscosity decreases with an increase in shear.

## APPLICATION AND USAGE GUIDELINES

To control foam, the recommended method of application is to add TRANS-220D directly to the foaming product or process. This antifoam was not designed to be diluted with water and should be used in its neat form. If necessary, it can be cut with up to 10% of a low viscosity white oil to reduce its viscosity slightly.

Each foaming problem is unique and requires different treatment levels of antifoam. Use only the minimum amount of TRANS-220 D required to control the foam. Trial testing will be necessary to optimize the amount of antifoam used in a given process. A good starting point is 50 ppm within the foaming medium, although experimentation across a range of levels, some lower and some higher, should be conducted in order to determine the appropriate dosage for your particular application. 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.

## PACKAGING OPTIONS

TRANS-220D antifoams are available in 55-gallon poly drums (net weight 450#) & 5-gallon HDPE pails (net weight 40#). By special request, the following packaging options are also available: bulk tanker, 275-gallon totes (net weight 2230#), 55-gallon lined openhead or tighthead steel drums, and 30 or 15-gallon poly drums.

## STORAGE

TRANS-220D antifoam is stable and long lasting; nevertheless, the product should be protected from freezing and prolonged exposure to direct sources of heat. Should TRANS-220D freeze, thaw the product at room temperature with the container closed and gently stir once completely thawed. A slight change in appearance may result from successive freeze/thaw cycles, but performance will typically not be affected. Storage temperatures at or below room temperature are preferred, but not necessary. TRANS-220D antifoam emulsion is ultimately a perishable commodity and should be afforded an equivalent level of care. Use the product in a timely fashion after initially opening the container, and close tightly after use. Applied Material Solutions recommends that TRANS-220D antifoam be used within six months to a year

## 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.

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