

TRANS-2994 (Water-Based Silicone Antifoam)

WHERE IT'S USED

TRANS-2994 is a broad-spectrum antifoam demonstrating effectiveness in a variety of applications. One of the several applications TRANS-2994 was designed for is as a brown stock washing defoamer. In this role, it not only controls pulp mill foam, but also delivers the superior drainage needed in brown stock washing. TRANS-2994 also excels in evaporative wastewater treatment, and is a strong performer versus numerous types of detergent foams as well as exceptionally foamy, surfactant-laden wastewater. TRANS-2994 also finds utility as a foam control additive in chemical manufacturing, water treatment, industrial process water, and some types of cleaning products and coating formulations.

COMPOSITION AND ATTRIBUTES

TRANS-2994 antifoam is a water-based emulsion containing a complex mixture of silicone and non-silicone active ingredients. This combination provides rapid and aggressive foam destruction, and persistent foam suppression in many types of foaming media. TRANS-2994 is readily dispersible in water with gentle mixing, and is generally more rinseable than a conventional silicone antifoam.

APPLICATION METHOD

To control foam, TRANS-2994 is usually added directly to the foaming product or process. For maximum effectiveness, it is advisable to thoroughly disperse the antifoam into the foaming media. In some applications, this may mean adding TRANS-2994 to the liquid vortex while mixing. Each foaming problem is unique, and trial testing across a range of dosage levels will be necessary to optimize the amount of TRANS-2994 required for a given process. Some applications may require as little as 10 – 25 ppm, but some systems may require appreciably higher levels than this. As with any antifoam, a thorough evaluation should be conducted to determine the suitability of TRANS-2994 within the intended application.

TYPICAL PROPERTIES

Appearance:	White emulsion
Type:	Nonionic
Viscosity (RVT #3 @ 20 RPM):	800 – 1200 cPs
Specific Gravity (25°C):	1.002
Flash Point:	Boils before flash point is reached

REGULATORY STATUS

TRANS-2994 is approved for use in several indirect food contact applications under 21 CFR 175.105, 176.170, 176.180, 176.200 and 176.210.

PACKAGING OPTIONS

TRANS-2994 is available in drums (450 lb.) and totes (2200 lb.). Other packaging options are available by request.

STORAGE

Water-based antifoams should be protected from freezing and prolonged storage at elevated temperatures. When properly stored, TRANS-2994 has a shelf life of approximately one 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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