

TRANS-290 (SILICONE ANTIFOAM EMULSION)

WHERE IT'S USED

TRANS-290 is broad-spectrum antifoam demonstrating effectiveness in a variety of applications. It excels in evaporative wastewater treatment, and is a strong performer versus numerous types of detergent foam. It is particularly effective in the agriculture industry to control foam in herbicides and spray adjuvants. And it has also found utility in chemical manufacturing, water treatment, industrial process water, and some types of cleaning products and coating formulations.

COMPOSITION AND ATTRIBUTES

TRANS-290 antifoam is a water-based emulsion containing a complex mixture of silicones and non-silicone active ingredients. This combination provides rapid and aggressive foam destruction, and persistent foam suppression in many types of foaming media. TRANS-290 is readily dispersible in water with gentle mixing, and is generally more rinsable than a conventional silicone antifoam.

APPLICATION METHOD

To control foam, TRANS-290 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-290 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-290 required for a given process. A good starting dosage is 100 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-290 within the intended application.

TYPICAL PROPERTIES

Appearance:	Gray, opaque liquid
Specific Gravity (25°C):	1.01
Viscosity:	2000 cP @ 30 rpm (Viscosity will vary with spindle speed. Product pours without difficulty.)
Water Solubility:	Dispersible
pH (neat):	6.5 – 7.5
Volatile Organic %:	Negligible

REGULATORY STATUS

TRANS-290X is suitable for pre-harvest agricultural applications, and exempt from a tolerance per 40 CFR 180.920. Other clearances exist, so please contact Direct N-Pakt if you have a specific regulatory requirement.

PACKAGING OPTIONS

TRANS-290 is available in pails (40 lb), drums (450 lb), totes (2250 lb), and bulk. 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-290 has a shelf life of approximately one year.

DISCLAIMER

The information within this bulletin is believed to be reliable. However, it is the responsibility of the end-user to assess the product for suitability. All warranties, either express or implied, are disclaimed by Direct N-Pakt, including the warranties of merchantability and of fitness for use. Direct N-Pakt disclaims any liability for any incidental or consequential damages resulting from the use of this product, or the inability to use or properly handle this product.