

TRANS-SF 1000 Silicone Fluid

COMPOSITION

TRANS-SF 1000 is a fluid silicone polymer (polydimethylsiloxane) with an average viscosity of 1000 centistokes.

APPLICATION AND USAGE GUIDELINES

Due to its high thermal stability, high chemical inertness, and very low toxicity profile, TRANS-SF 1000 finds utility in a large range of applications. Typical applications include defoamers, release agents, lubricants and surface treatments.

For foam control, TRANS-SF 1000 is generally used in non-aqueous systems, such as vegetable oil processing. The silicone fluid may be added in its neat form or may be premixed with a component of the foaming system. For some applications, it may be most effective to wipe the silicone fluid onto part of the processing equipment, such as the nozzle of a bottle-filling machine. When using as a lubricant or release agent, diluting the silicone fluid with a suitable solvent may be preferred.

REGULATORY

TRANS-SF 1000 is permissible in most non-standardized foods at levels up to 10 parts per million according to the Code of Federal Regulations, Title 21, Part 173.340(a)(2). Additionally, the product may be used for the manufacture of paper and paperboard for food-packaging materials per 21 CFR 176.170, 176.180, and 176.210. Please consult the Code of Federal Regulations for further clarification on silicone usage in your particular food-grade application.

Additional clearances exist. Please contact Applied Material Solutions, Inc. if you have a specific regulatory requirement.

STORAGE

TRANS-SF 1000 is stable and long lasting. No special storage or handling is required beyond good manufacturing practices.

PHYSICAL, CHEMICAL, & PACKAGING INFORMATION

| Product | pH (neat) | Viscosity | Solubility in Water | Specific Gravity | Weight per Gallon | Appearance | Drum Weight | Pail Weight |
|---------------|-----------|-----------|---------------------|------------------|-------------------|-------------------------|-------------|-------------|
| TRANS-SF 1000 | N/A | 1000 cSt | Insoluble | 0.970 | 8.07 # | Clear, Colorless Liquid | 441 # | 40 # |

PACKAGING OPTIONS

TRANS-SF 1000 is available in 55-gallon blue poly drums & 5-gallon HDPE pails. Additional packaging options may be available by special request.

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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