



# Master STAGES™ CLEAN DF1

*Antifoam for Master STAGES™ Cleaners*

## GENERAL DESCRIPTION

Master STAGES™ CLEAN DF1 is a paintable, nondimethyl, polysiloxane, antifoaming agent designed to eliminate excessive foaming in Master STAGES™ products. This product does not require premixing.

## ADVANTAGES

- Does not require premixing
- Compatible with most Master STAGES cleaners and most water-based metalworking fluids
- Odorless and does not cause staining
- Contains no phenols, borates, phosphates, nitrites, or amines

## APPLICATION GUIDELINES

- CLEAN DF1 is designed to be used at very low concentrations. Additions of 0.01% will often eliminate foam completely. However, we recommend 0.1% as a starting dose to provide reserve.
- Maximum addition rate is 1%.
- CLEAN DF1 will defoam spray and immersion cleaners as well as metalworking fluids. Do not use in straight oils.
- Checking concentration must be done by observation of the cleaner performance. There is no direct method for field determination of concentration levels.
- For additional product applications information including performance optimization, please contact your Master Chemical Authorized Distributor at [2trim.us/distributors.php](http://2trim.us/distributors.php), your District Sales Manager, the Tech Line at 1-800-537-3365, or visit our web site at [www.master-stages.com](http://www.master-stages.com).

## PHYSICAL PROPERTIES (TYPICAL DATA)

Color (Concentrate) .....	White	Flash Point.....	>180°F (82°C) (ASTM D93-08)
Color (Working Solution) .....	N/A	pH (Typical Operating as a Range) .....	N/A
Odor.....	Mild	Conductivity Factor .....	N/A
Form .....	Liquid	Titration Factor (CL-1 Titration Kit) .....	N/A

## MIXING INSTRUCTIONS

The recommended use concentration of CLEAN DF1 is not to exceed 1% in the working solution. No special mixing procedures are required. Add the required amount of concentrate to the cleaner bath and stir until uniformly mixed.

## HEALTH AND SAFETY

See the most recent SDS at [2trim.us/s/?i=1321-en-US-US](https://2trim.us/s/?i=1321-en-US-US).



## NOTES

- Packaging: North America – 1-gallon jug, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin.

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