



# Master STAGES™ CLEAN 2029 “One Step”

## Parts Washing Fluid with Corrosion Inhibitor

### GENERAL DESCRIPTION

Master STAGES™ CLEAN 2029 “One Step” is a highly concentrated cleaner/corrosion inhibitor designed for spray washers and immersion tanks. This product will remove heavy soils and provide two-to-four weeks of indoor corrosion inhibition on steel and cast iron parts.

### ADVANTAGES

- Formulated without silicates or other high pH additives, CLEAN 2029 “One Step” is compatible with ultrafiltration systems and bioremediation
- An excellent choice for cabinet-style spray washers and can be used for washing steel, stainless, cast iron, titanium, and many aluminum alloys
- Hard water tolerant, it provides long bath life
- Environmental approvals are simplified because CLEAN 2029 “One Step” contains no nitrites, barium, phenols, or butyl cellusolve; this formula has very low V.O.C. content and no SARA 313 reportable ingredients
- Low foaming for use in high-pressure spray washers with temperatures above 140°F (60°C)

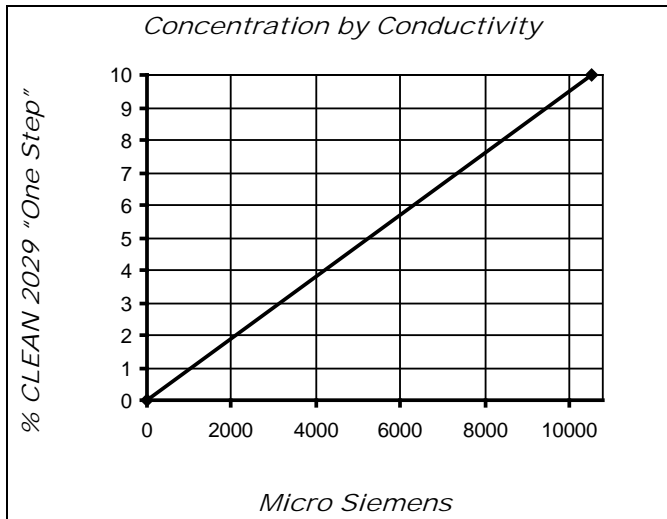
### APPLICATION GUIDELINES

- CLEAN 2029 “One-Step” is designed to be used at low concentrations:
 

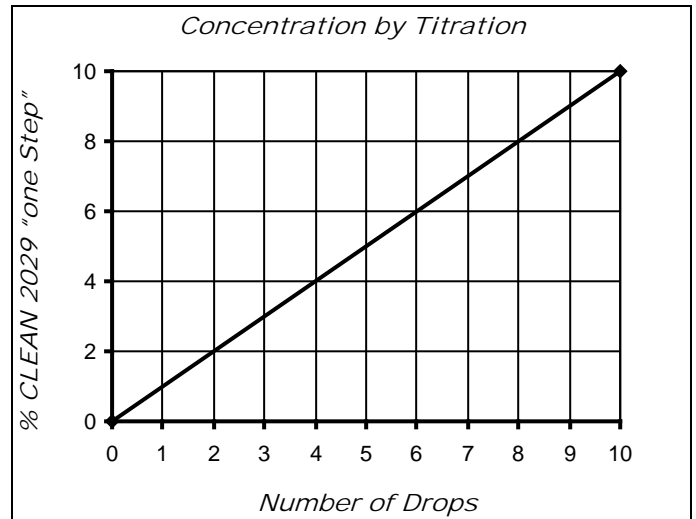
Spray washer - light soils	3.0%	(33:1)
Spray washer - heavy soils	5.0%	(20:1)
Immersion washer	5.0%-10.0%	(20:1-10:1)
Ultrasonic washer	3.0%-7.0%	(33:1-13:1)
- This product should be heated above 140°F in spray applications to avoid foaming. Ultrasonic or agitated immersion washers can often run at room temperature. The temperature limit for this product is 180°F, unless otherwise advised by your Master Chemical representative.
- 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.masterchemical.com](http://www.masterchemical.com).

### PHYSICAL PROPERTIES (TYPICAL DATA)

Color (Concentrate).....	Yellow	Flash Point (Concentrate).....	>212°F (100°C) (COC)
Color (Working Solution) .....	Cloudy white	pH (Typical Operating as a Range).....	10.0-11.5
Odor.....	Mild	Conductivity Factor .....	0.0010
Form .....	Liquid	Titration Factor (CL-1 Titration Kit).....	1.0



% Concentration = Conductivity in Micro Simens x Factor  
Conductivity Factor = .0010



% Concentration = No. of Drops x Titration Factor  
Titration Factor = 1.00

### CHECKING CONCENTRATION

CLEAN 2029 "One Step" concentration may be checked by titration or conductivity for working solutions. Fresh charges only may be checked by refractometer.

### TITRATION

Use Master STAGES™ Titration Kit CL-1, Indicator A, and two vials of working solution

Drops of Acid	1	2	3	5	7	10
% CLEAN 2029 "One-Step"	1%	2%	3%	5%	7%	10%

Titration Formula: Drops of Acid x 1.0 = % Concentration of CLEAN 2029 "One Step"

### MIXING INSTRUCTIONS

The recommended use concentration of CLEAN 2029 "One Step" is 3%-10% in water. No special mixing procedures are required. Add the required amount of concentrate to the required amount of water and stir or operate the washer until uniformly mixed.

### HEALTH AND SAFETY

See the most recent SDS at [2trim.us/s/?i=1208-en-US-US](http://2trim.us/s/?i=1208-en-US-US).



### NOTES

- Packaging: North America – 1-gallon jug, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin.
- Packaging: Europe/Asia – 20-litre pail, 204-litre drum, and 1000-litre IBC.

The information herein is given in good faith and believed current as of the date of this Data & Information sheet and should apply to the current formula version. Because conditions of use are beyond our control, no guarantee, representation, or warranty expressed or implied is made. Consult Master Chemical Corporation for further information. For the most recent version of this document, please go to this URL: [2trim.us/di/?i=19](http://2trim.us/di/?i=19).

Master STAGES™ is a trademark of Master Chemical Corporation  
© 2007-2015 Master Chemical Corporation • Revised June 25, 2015