



Master STAGES™ CLEAN 2115

Low-foam Spray Washing Compound

GENERAL DESCRIPTION

Master STAGES™ CLEAN 2115 is a high-performance, low-foam spray washing compound for use in very high-pressure spray washers, de-burring, and water jet cutting. Advanced surfactant technology provides excellent foam control, tramp oil rejection, and soil removal while leaving a short-term, anticorrosive film on cast iron or steel parts and washer surfaces.

ADVANTAGES

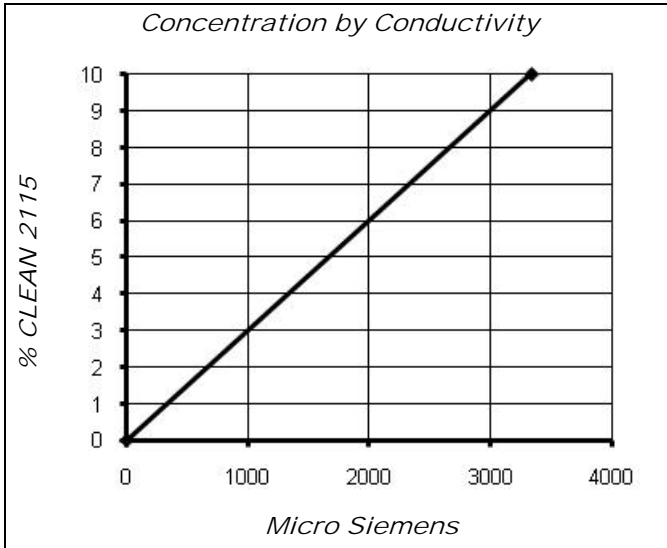
- Compatible with a wide range of materials including cast iron, steels, zinc, plastics, and composites
- When washing aluminum parts above 100°F (40°C) consider using Master STAGES™ CLEAN 2115AL
- Does not foam even when contaminated with large quantities of soils or coolant. This makes CLEAN 2115 an excellent choice where rapid buildup of coolant carryover creates a foam problem
- Many CLEAN 2115 applications are in the range of 3,000 PSI-10,000 PSI (200-600 kPa)
- Provides excellent short-term corrosion inhibition on most common ferrous alloys
- Extremely low carryoff keeps operating costs down
- Low foam and mist
- Very low initial odor level
- Can be used on most aluminum alloys if kept under 100°F (40°C)
- Exceptional sump life and great tramp oil rejection

APPLICATION GUIDELINES

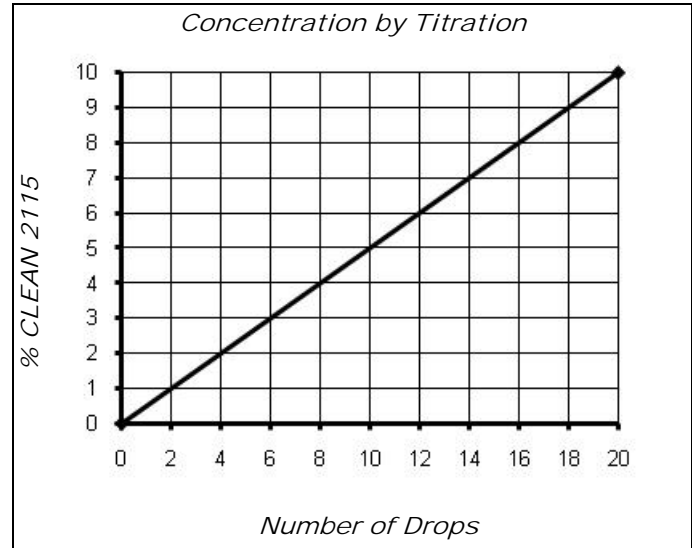
- In very high-pressure spray washers (over 1,000 PSI, 67kPa), de-burrers, or water jet cutters, typical concentrations are 3%-5%, and operating temperatures are ambient up to 140°F (60°C).
- Foam may increase if the temperature is below 80°F (27°C) at the point of agitation.
- For best corrosion resistance on ferrous parts, concentration should be kept between 5%-10%.
- If washing aluminum parts, keep temperatures below 100°F (40°C), concentration below 5%, and minimize exposure time.
- For additional product applications information including performance optimization, please contact your Master Chemical Authorized Distributor at 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.

PHYSICAL PROPERTIES (TYPICAL DATA)

Color (Concentrate)	Pale yellow	Flash Point	>219°F (104°C) (ASTM D93)
Color (Working Solution)	Colorless	pH (Typical Operating as a Range).....	8.8-9.6
Odor.....	Mild, sweet	Conductivity Factor.....	0.003
Form	Liquid	Titration Factor (CL-1 Titration Kit).....	0.5



% Concentration = Conductivity in Micro Siemens x Factor
 Conductivity Factor = 0.003



% Concentration = No. of Drops x Titration Factor
 Titration Factor = 0.5

CHECKING CONCENTRATION

CLEAN 2115 concentration may be checked by titration for working solutions. Only fresh charges may be checked by refractometer.

Titration

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

Drops of Acid	2	6	10	14	18	20
% CLEAN 2115	1%	3%	5%	7%	9%	10%

Titration Formula: Drops of Acid x 0.5 = % Approximate Concentration of CLEAN 2115

MIXING INSTRUCTIONS

The recommended use concentration of CLEAN 2115 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=1285-en-US-US.



NOTES

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

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=129

Master STAGES™ is a trademark of Master Chemical Corporation

© 2007-2015 Master Chemical Corporation • Revised October 28, 2015