



Master STAGES™ CLEAN 2030

Cleaner/Corrosion Inhibitor for Ultrasonic and Immersion Washers

GENERAL DESCRIPTION

Master STAGES™ CLEAN 2030 is a concentrated, very high-performance cleaner made for washing iron and steel parts and applying a short-term corrosion inhibitor in single-stage ultrasonic or immersion washers. Its cleaning ability is extraordinary which often leads to shorter cleaning cycles or elimination of cleaning steps. CLEAN 2030's oil-rejecting properties mean longer bath life and economical operation. CLEAN 2030 can also wash most other metals including brass, copper alloy, aluminum, zinc, and magnesium.

ADVANTAGES

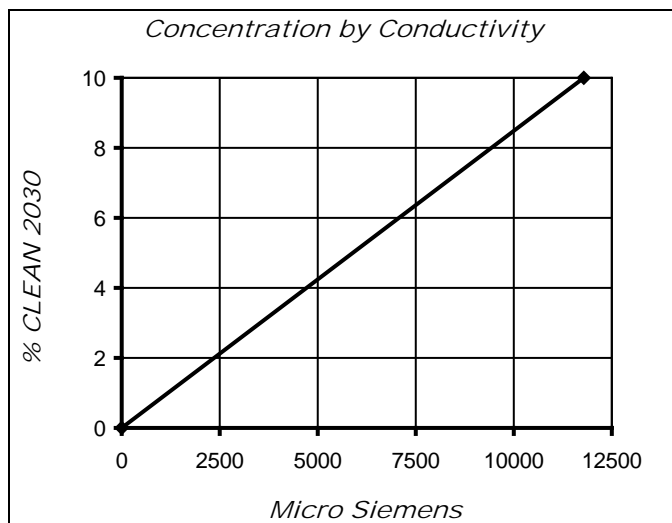
- Excellent cleaning in immersion and ultrasonic tanks
- Long life because oils split rapidly to the surface of your cleaner tank where they can be skimmed off
- An excellent choice where one product is used for multiple purposes, such as washing mixed batches of ferrous, aluminum, and copper alloy parts in a single-stage washer.
- Will provide one-to two-weeks' indoor rust inhibition on iron and steel, as well as in-process tarnish resistance on copper and copper alloy parts
- Contains no borates, phosphates, phenols, or nitrites, and no SARA 313-listed ingredients
- Will remove coolant residues as well as straight oils
- Also very compatible with magnesium and zinc

APPLICATION GUIDELINES

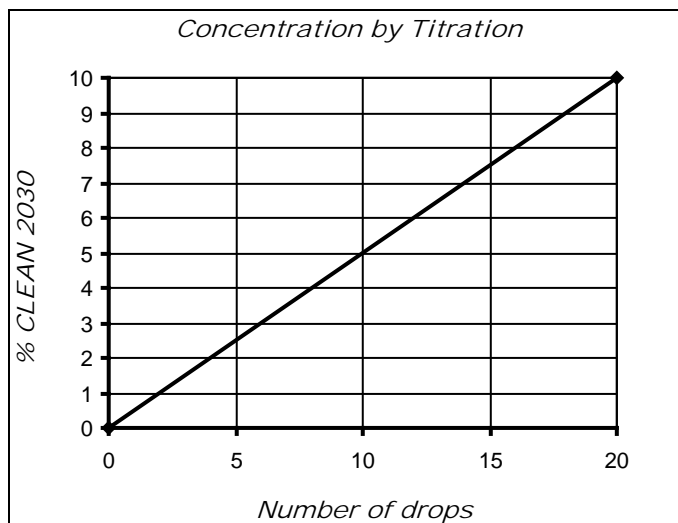
- CLEAN 2030 will remove coolant residues at room temperature up to 160°F (71.1°C) in soak, agitated, or ultrasonic tanks. Concentrations in the range of 3%-5% are effective.
- To remove straight oils, use an agitated or ultrasonic tank and hold concentration from 5%-10%, adjusting temperature up to 160°F (71.1°C) as needed to get proper cleaning. Do not use CLEAN 2030 above 160°F (71.1°C) in ultrasonic washers.
- Straight oils require skimming as they will split rapidly to the surface. CLEAN 2030 can be used with great results removing screw machine oils in low-pressure spray washers such as auger/drum-style washers, where the oil helps break foam.
- CLEAN 2030 provides corrosion inhibition for ferrous parts in one step. If you have a multi-stage washer, you may choose Master STAGES™ CLEAN 2020 and follow the washing process with a rinse of Master STAGES™ NOCOR® S2 for extended ferrous corrosion inhibition.
- 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)	Yellow	Flash Point (Concentrate).....	None to boiling (COC)
Color (Working Solution)	Light yellow	pH (Typical Operating as a Range)	10.5-11.0
Odor	Mild, detergent	Conductivity Factor	0.00085
Form.....	Liquid	Titration Factor (CL-1 Titration Kit)	0.5



% Concentration = Conductivity in Micro Siemens x Factor
 Conductivity Factor = .00085



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

CHECKING CONCENTRATION

CLEAN 2030 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	4	6	10	12	16	20
% CLEAN 2030	2%	3%	5%	6%	8%	10%

Titration Formula: Drops of Acid x 0.5 = % Concentration of CLEAN 2030

MIXING INSTRUCTIONS

The recommended use concentration of CLEAN 2030 is 3%-10% in water. No special mixing procedures are required. Add the required amount of CLEAN 2030 concentrate to the required amount of water and stir until uniformly mixed.

HEALTH & SAFETY

Avoid prolonged and/or repeated skin and inhalation contact with spray mist. For further information, see the most current SDS at 2trim.us/s/?i=1135-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, and 1000-litre IBC.

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