Master STAGES™ CLEAN 2030

Cleaner/Corrosion Inhibitor for Ultrasonic and Immersion Washers

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.

Cleaners+RP

Master STAGES™ CLEAN family of advanced-technology products offer highly effective cleaning and with the same in-process "one-step" method, leave behind an effective, short-term, anticorrosive film.

Designed for specific metals, desired length of corrosion inhibition, and applications ranging from spray, immersion, ultrasonic parts, and dip tank cleaning, Master STAGES cleaners+RP inhibitors are all highly concentrated and economical, most with low foam and very low V.O.C. content.

Aerospace Approvals

Company	Specification
GE Aerospace	EVEN-12246

Choose CLEAN 2030:

- 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
- Will remove coolant residues as well as straight oils

CLEAN 2030 especially for:

Applications — corrosion inhibition, immersion tanks, parts washing, and ultrasonic tanks

Soils — chlorinated oils, coolant residues, oils, and sulfurized oils

Metals — aluminum, brass, cast iron, copper, copper alloys, ferrous metals, lead, magnesium, steels, and zinc

Industries — aerospace, automotive, energy, and medical

CLEAN 2030 is free of — borates, nitrites, phenols, phosphate, and SARA 313 listed ingredients

Master Fluid SOLUTIONS®

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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 application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

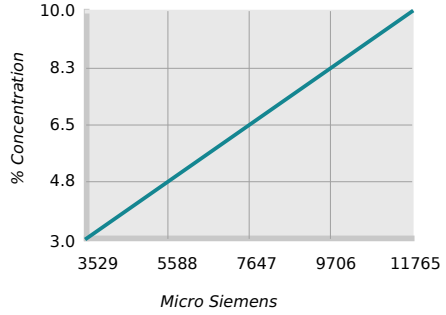
Physical Properties Typical Data

Color (Concentrate)	Yellow
Color (Working Solution)	Light yellow
Odor (Concentrate)	Mild, detergent
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 199°F
pH (Concentrate as Range)	11.5 - 12.0
pH (Typical Operating as Range)	10.5 - 11.0
Coolant Refractometer Factor	3.0
Cleaner Conductivity Factor	0.00085
Titration Factor (CL-1 Titration Kit)	0.25
Number of Cleaner Vials (CL-1 Titration Kit)	2.0
Cleaner Indicator A or B (CL-1 Titration Kit)	A

Recommended Metalworking Concentrations

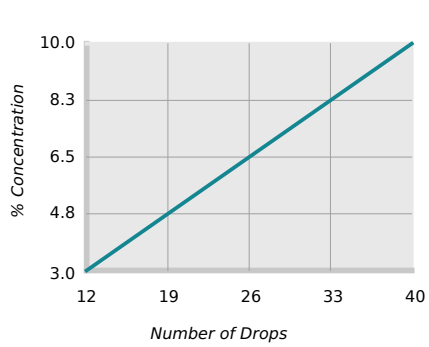
Design Concentration Range	3.0% - 10.0%

Concentration by Conductivity



% Concentration = Conductivity in Micro Siemens x Factor
Conductivity Factor = 0.00085

Concentration by Titration



% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.25

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 3.0% - 10.0%.
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.

1-gallon jug
SKU: CL2030-1G
UPC-12: 641238042518

5-gallon pail
SKU: CL2030-5G
UPC-12: 641238042532

54-gallon drum
SKU: CL2030-54G
UPC-12: 641238042556

270-gallon tote
SKU: CL2030-270G
UPC-12: 641238042570

Additional Information

- Industrial use only
- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
- Master STAGES™ is a trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
- The information herein is given in good faith and believed current as of the date of publication 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 Fluid Solutions for further information. For the most recent version of this document, please go to this URL:

https://2trim.us/di/?i=na_en-us_CLEAN2030

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