

Master STAGES™ CLEAN F2™

Non-butyl Floor and Multi-purpose Cleaner



Master STAGES™ CLEAN F2™ is a super concentrate that does an outstanding job in floor cleaning and other multi-purpose uses. In addition to its primary job in automatic floor scrubbers, it is often used for general-purpose cleaning, mop bucket cleaning, and parts washing in room temperature wash tanks. The mild pH of this product means it is compatible with most waste treatment (including ultrafiltration) and it will not degrade TRIM metalworking fluids with which it may come into incidental contact.

Maintenance



Clean F2 replaced Simple Green — cleaning better and costing 20% less!

CLEAN F2 can save you a bundle of money

An automotive parts plant in Tennessee was using a whole group of cleaners for various jobs: they used Formula 409® for spray-bottle cleaning, Simple Green® for floor machines, Easy-Off® for mop buckets, and three additional products for general purpose cleaning. Their Master STAGES distributor introduced them to CLEAN F2 for all their cleaning needs — and "they saved a bundle of money."

CLEAN F2 at 20% dilution replaced the undiluted Formula 409; CLEAN F2 replaced Simple Green (cleaning better and costing 20% less); and CLEAN F2 replaced the Easy-Off (for a 40% cost savings) and cut costs by eliminating the other incidental cleaners. As a result, the customer reduced their annual cleaner purchases by more than \$13,000. In addition, ordering was simplified, inventories were smaller, and less warehouse space was used.

The customer didn't stop there. They installed four XYBEX® Skrambler2™ dual-ratio mixers for mixing and dispensing the CLEAN F2, which reduced labor time and ensured proper concentration control.

Choose CLEAN F2:

- With a mild pH and low conductivity, CLEAN F2 will not cause splitting of TRIM coolants
- Formulated without silicates or other high pH additives, CLEAN F2 is compatible with ultrafiltration systems and bioremediation
- CLEAN F2 has been proven nonirritating to skin at 20% concentration
- An excellent choice for packaging in spray bottles up to 20%
- Can be used for general cleaning tasks and to remove soils from parts and tools
- Operators like CLEAN F2's mild, pleasant citrus scent
- Environmental approvals are simplified because CLEAN F2 contains no nitrites, barium, phenols, or butyl cellulose; this formula has very low V.O.C. content
- An effective "mop bucket" cleaner in addition to use in floor scrubber machines
- Will remove heavy soils from floors without lifting off floor paints, coatings, or leaving a slippery residue; suitable for concrete, painted, tile, or linoleum floors

CLEAN F2 especially for:

Applications — automatic floor scrubbers, floor cleaning, general-purpose cleaning, hard surface cleaning, mop bucket cleaning, multi-purpose cleaning, parts washing, spray bottle

Soils — coolant residues and light oils

Metals — cast iron, steels and zinc

Industries — aerospace, automotive, bearing, diecast, green, job shop and medical

CLEAN F2 is free of — 2-butoxyethanol (Butyl), barium, high pH additives, nitrites, phenols and silicates

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Application Guidelines

- CLEAN F2 is designed to be used at low concentrations:

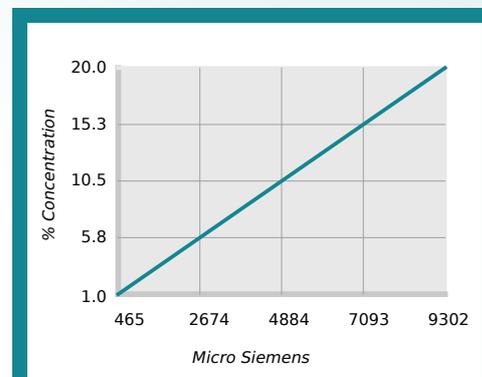
Washing Method	Percent	Add Rate
Power washers and steam cleaners	1%-3%	10-30ml/l
Floor scrubber machines	1½%-3%	15-30ml/l
Mop buckets	5%-10%	50-100ml/l
Parts washing (immersion type)	10%	100ml/l
Hard surface cleaning (spray bottle or bucket)	20%	200ml/l

- CLEAN F2 is also effective in immersion style washers and ultrasonic baths, and can be used at room temperature up to 71°C.
- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at <https://www.masterfluids.com/eu/en/distributors/index.php>, your District Sales Manager, or call our Tech Line at +49 211 77 92 85 - 13.

Physical Properties Typical Data

Colour (Concentrate)	Blue
Colour (Working Solution)	Blue
Odour (Concentrate)	Mild citrus
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 102°C
pH (Concentrate as Range)	11.4 - 12.4
pH (Typical Operating as Range)	10.2 - 11.2
Cleaner Conductivity Factor	0.00215
Titration Factor (CL-1 Titration Kit)	0.58
Number of Cleaner Vials (CL-1 Titration Kit)	4
Cleaner Indicator A or B (CL-1 Titration Kit)	B

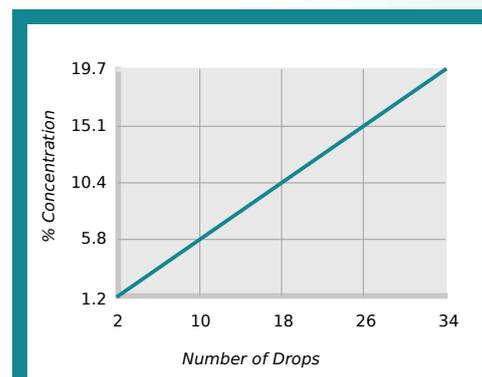
Concentration by Conductivity



$$\% \text{ Concentration} = \text{Conductivity in Micro Siemens} \times \text{Factor}$$

$$\text{Conductivity Factor} = 0.00215$$

Concentration by Titration



$$\% \text{ Concentration} = \text{No. of Drops} \times \text{Titration Factor}$$

$$\text{Titration Factor} = 0.58$$

Health and Safety

Request SDS



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Mixing Instructions

- Recommended usage concentration in water: % - %.
- 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.

Ordering Information

20-litre pail

204-litre drum

1000-litre IBC

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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=eu_en_CLEANF2



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