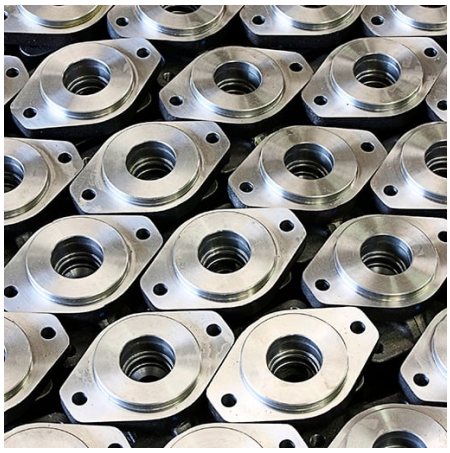
Master STAGES™ RINSE 100

Mild Alkaline Detergent

Master STAGES™ RINSE 100 is a washing compound concentrate that does a great job of removing metalworking fluids and light oily films. This product will not stain ferrous or nonferrous materials and leaves an extremely thin film corrosion inhibitor, which does not interfere with gauging of parts. RINSE 100 is compatible with the TRIM family of cutting and grinding fluid concentrates.

Ultrasonics



Ultrasonic parts washers — widely used in the medical, aerospace, automotive, mining, energy, and precision parts industries — offer results often far beyond that of traditional cleaning methods. Master STAGES specifically developed ultrasonic in-process cleaners are highly effective in removing dirt, oils, rust, bacteria, grease, drawing compounds, waxy soil, and other contaminants from a wide variety of metals.

Whether cleaning aluminum, steels, cast iron, stainless steels, alloys, brass, bronze, copper, or magnesium, Master STAGES has the ultrasonic in-process alkaline product to get it really clean.

Offering exceptional wetting ability, reduced cycle times, longer bath life, and faster, safer precision parts cleaning, yet are environmentally friendly and free of SARA 313 reportable ingredients, Master STAGES ultrasonic cleaners are the cost-effective solution to achieving a matchless surface finish.

Choose RINSE 100:

- Effective machine cleaner
- Great for general cleaning of loose tools and parts
- Excellent for use in ultrasonic cleaner systems and immersion washers
- Provides up to one week or more of in-process corrosion inhibition on ferrous parts

RINSE 100 especially for:

Applications — corrosion inhibition, parts washing, and ultrasonic tanks

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

Materials — aluminum, aluminum alloys, brass, cast iron, copper, copper alloys, ferrous metals, lead, magnesium, nonferrous metals, steels, yellow alloys, and zinc

Industries — aerospace, automotive, general industry, and medical

RINSE 100 is free of — boron, nitrites, NPEs, phosphate, and silicates

Master Fluid SOLUTIONS®

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Application Guidelines

- RINSE 100 is very good for immersion washing at concentrations of 3% - 10%, and temperatures from 50°F - 135°F (10°C - 57°C).
- May be heated to near boiling, but some loss of rust inhibiting properties will result over time if you do so.
- Excellent results can be obtained by hand washing machine or hand tools at concentrations of 10%.
- 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.

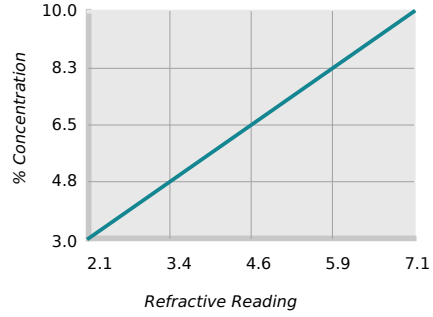
Physical Properties Typical Data

Color (Concentrate)	Light yellow
Color (Working Solution)	Light yellow
Odor (Concentrate)	Mild pine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 212°F
pH (Concentrate as Range)	9.4 - 9.6
pH (Typical Operating as Range)	9.0 - 9.6
Coolant Refractometer Factor	1.4
V.O.C. Content	0
Titration Factor (CL-1 Titration Kit)	0.18
Number of Cleaner Vials (CL-1 Titration Kit)	1
Cleaner Indicator A or B (CL-1 Titration Kit)	B

Recommended Metalworking Concentrations

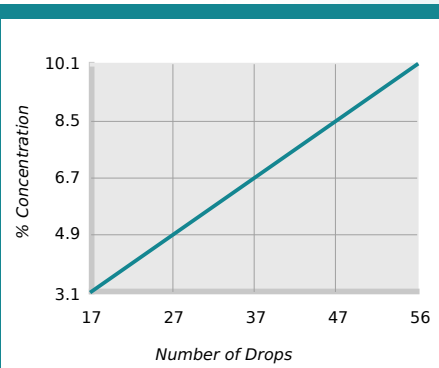
Design Concentration Range	3.0% - 10.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.4

Concentration by Titration



% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.18

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: RNS100-1G
UPC-12: 641238006947



5-gallon pail
SKU: RNS100-5G
UPC-12: 641238006985



54-gallon drum
SKU: RNS100-54G
UPC-12: 641238006992



270-gallon tote
SKU: RNS100-270G
UPC-12: 641238034148

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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:

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501 West Boundary Street
Perrysburg, OH 43551-1200
United States
+1 419-874-7902

info@masterfluids.com

masterfluids.com/na/en-us/