TRIM™ C115RT

Synthetic

TRIM C115RT is a high-performance synthetic fluid for working cast iron and mild steels. State-of-the-art chemical technology provides excellent cooling and chip settling, good tramp oil rejection, and machine cleanliness while leaving a protective film on the machine tool. It can be also used as a steel tube pressure test fluid.

Synthetics



Peak your performance:

TRIM™ clean-running synthetics contain little to no oil. They are typically hard-water tolerant with good corrosion protection. Plus, synthetics leave very low residue for easy cleaning. Paired with extremely low carryoff, synthetics translate to less maintenance and lower operational costs, saving you time and money.

Run clean and long with TRIM synthetics.

Choose C115RT:

- Compatible with a very wide range of materials including cast iron, steels, plastics and composites
- Does an excellent job in most glass, ceramic, and composite grinding applications
- Excellent corrosion inhibition on most common ferrous and nonferrous alloys
- Extremely low carryoff keeps operating costs down
- Low foam and mist
- Very low initial odor level which usually disappears after 1-2 days
- Keeps your machines clean while leaving a soft, fluid film that protects bare metal parts
- Exceptional sump life and very good tramp oil rejection

C115RT especially for:

Applications — corrosion inhibition, cutting, and grinding

Materials — composites, ferrous metals, glass, and most nonferrous metals

Industries — general industry and job shop

C115RT is free of — chlorine, DCHA, mineral oils, NPEs, phosphorous, siloxane, and sulfur

Master Fluid SOLUTIONS™

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Application Guidelines

- Not recommended in machine tools that rely on coolant splash to lubricate the mechanical portions of the machine tool; e.g., older screw machines, etc.
- Foam may increase if the temperature is below 80°F (27°C) at the point of agitation.
- Not recommended on materials (i.e., magnesium or zirconium) without special precautions.
- This product is a superior cleaning agent so it may "wash out" dirt and residues when a machine is first charged; a thorough cleaning of older machines is required when installing this product the first time.
- The minimum recommended concentration is 5% on cast iron, 4% on steel and 5% in glass grinding.
- Concentrations above 7.5% provide the best corrosion inhibition, tool life and sump life; however, on-site testing is usually the best way to set your concentration.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/ap/en-ap/distributors/index.php, your District Sales Manager, or email us at apac-info@masterfluids.com.

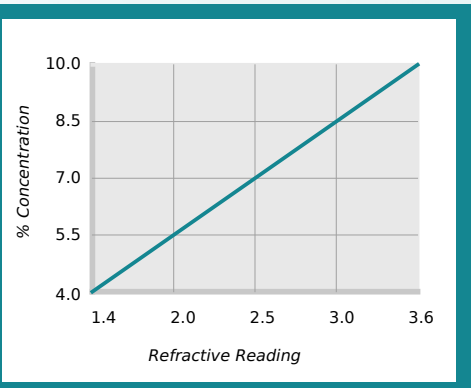
Physical Properties Typical Data

Color (Concentrate)	Light yellow
Odor (Concentrate)	Mild, pleasant
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 100°C
pH (Concentrate as Range)	9.5 - 10.5
pH (Typical Operating as Range)	9.3 - 10.3
Coolant Refractometer Factor	2.8

Recommended Metalworking Concentrations

Light Duty	4.0% - 6.5%
Moderate Duty	6.5% - 8.5%
Heavy Duty	8.5% - 10.0%
Design Concentration Range	4.0% - 10.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 2.8

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 4.0% - 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.
- Use premixed coolant as makeup to improve coolant performance and reduce coolant purchases. The makeup you select should balance the water evaporation rate with the coolant carryout rate. Use our Coolant Makeup Calculator to find the best ratio for your machine: apps.masterfluids.com/makeup/.
- Use mineral-free water to improve sump life and corrosion inhibition while reducing carryoff and concentrate usage.

Ordering Information

20-liter pail

204-liter drum

Additional Information

- Use Master STAGES™ Whamex XT™ for a quick and thorough precleaning of your machine tool and coolant system.
- 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.
- TRIM™ is a trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
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https://2trim.us/di/?i=ap_en-ap_C115RT

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