TRIM™ C272

Cutting and Grinding Fluid Concentrate

TRIM C272 is a synthetic coolant concentrate designed to operate at very high fluid pressures and volumes with little or no foam. TRIM C272 is ideally suited to situations where high coolant velocities or volumes are necessary to achieve maximum productivity. TRIM C272 is designed to have the superior cooling and chip settling characteristics of a premium synthetic product with the improved residues and mechanical lubricity of a semi-synthetic coolant. This product utilises an extremely effective and proprietary non-chlorine, non-sulphur extreme pressure additive for good tool life and improved surface finishes

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.

Aerospace Approvals

Company	Specification
GE AVIO	No specification available
Leonardo SpA (formerly AgustaWestland)	No specification available
Rolls-Royce	CSS 130
SAFRAN	PR6300

Choose C272:

- Approved by the following aero engine OEMs – Rolls-Royce, GE and Safran Aero Engines, contact your Master Fluid Solutions representative for the relevant approval documentation
- Very stable formula provides long operational life with consistent performance
- Extremely low foam in mineral free water
- Excellent tramp oil rejection
- Water clear dilution aids filterability, reduces carryoff and facilitates getting the fluid to the point of cut
- Protects machine and tool surfaces while also preventing sticky ways, chucks, tool holders and fixtures
- Easy recycling or disposal with conventional techniques and equipment

C272 especially for:

Applications — grinding, high-speed milling and high-speed turning

Materials — cast iron, nickel alloys, stainless steels, steel alloys, steels and titanium

Industries — aerospace

C272 is free of — boron, chlorine, formaldehyde releasers, nitrites, phenolic compounds, secondary amines and sulphurised EP additives

Master Fluid SOLUTIONS™

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Application Guidelines

- Minimum concentration for ferrous alloy machining and grinding is 4%.
- Concentrations above 7% provide the best sump life.
- 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 41 72 8 -900.

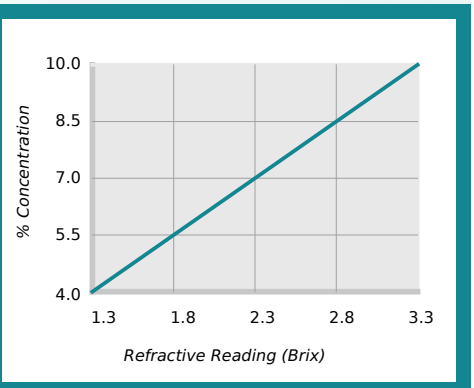
Physical Properties Typical Data

Colour (Concentrate)	Light yellow
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 160°C
pH (Concentrate as Range)	9.1 - 10.1
pH (Typical Operating as Range)	8.8 - 9.4
Coolant Refractometer Factor	3.0

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 = 3.0

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-litre pail

204-litre drum

1000-litre IBC

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.
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https://2trim.us/di/?i=eu_en_C272

Hasselsstraße 6-14
Düsseldorf, 40597
Germany
+49 211 41 72 82 00

info-eu@masterfluids.com

masterfluids.com/eu/en/