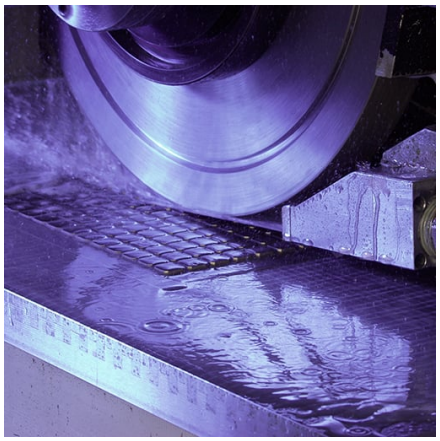
TRIM™ C120 CG

Carbide Grinding Synthetic Fluid

TRIM C120 CG is formulated specifically for the carbide grinding industry. This synthetic product is intended for grinding carbide, but is equally good on ceramics, cermets, chill cast alloys and tool steels. TRIM C120 CG minimises cobalt leaching while still maintaining superior cutting and non-cutting characteristics.

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
Rolls-Royce	CSS 274

Choose C120 CG:

- Keeps super-abrasive wheels clean
- Does not attack wheel bonding systems
- Designed to carry grinding swarf to the filter but will release swarf in properly designed settling tanks
- Will not be stripped out by conventional filtration systems
- Is low foaming
- Rejects tramp oil
- Has superior sump life
- Resists cobalt leaching for improved operator safety, stronger parts and cleaner machines
- Very low carryoff for extremely low fluid operating costs
- Easy recycling or disposal with conventional techniques and equipment

C120 CG especially for:

Applications — grinding of cobalt containing matrices

Materials — carbide and carbide coated materials

Industries — aerospace and tool

C120 CG is free of — boron, chlorine, formaldehyde releasers, nitrites, secondary amines and sulphur

Master Fluid SOLUTIONS™

TRIM™ C120 CG

Carbide Grinding Synthetic Fluid

Application Guidelines

- TRIM C120 CG is not recommended in machine tools that rely on the splash of the coolant to lubricate the mechanical portions of the machine tool; e.g., older screw machines, etc.
- TRIM C120 CG is not recommended on materials like 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 for the first time.
- The minimum recommended concentration is 5%.
- Concentrations in excess of 7% provide the best corrosion inhibition, tool life and 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.

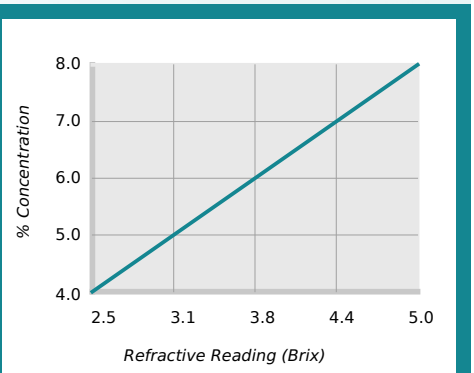
Physical Properties Typical Data

Colour (Concentrate)	Light yellow
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Concentrate as Range)	9.4 - 9.8
pH (Typical Operating as Range)	8.5 - 9.5
Coolant Refractometer Factor	1.6

Recommended Metalworking Concentrations

Light Duty	4.0% - 4.5%
Moderate Duty	4.5% - 6.5%
Heavy Duty	6.5% - 8.0%
Design Concentration Range	4.0% - 8.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.6

Health and Safety

Request SDS

TRIM™ C120 CG

Carbide Grinding Synthetic Fluid

Mixing Instructions

- Recommended usage concentration in water: 4.0% - 8.0%.
- 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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- 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_C120CG

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