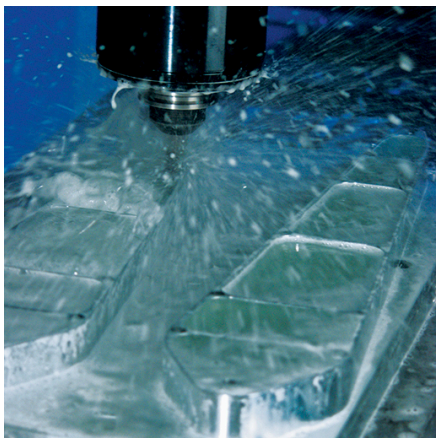
TRIM™ SC536

Low-oil Semisynthetic

TRIM SC536 is a low oil, semisynthetic coolant that delivers significant performance improvements over previous generations of metalworking fluids. SC536 is a proprietary formula of specially synthesised oil and synthetic technologies blended to deliver unbeatable performance in a variety of machining and grinding operations. This innovative blend keeps machines clean and provides the longest sump life available.

Semisynthetics



Cutting edge solutions:

TRIM® semisynthetics offer the cooling and lubricity of a synthetic without the higher oil content of an soluble oil. Designed to operate at higher SFPM, semisynthetics perform well on many operations including face milling, cut-off turning, grinding, tapping and drilling — depending on the specific product.

Semisynthetics are compatible with alloy steels, tool steels, cast irons, copper alloys, as well as plastics and composites. With less carryoff, semisynthetics use less material — it all adds up to lower costs.

Choose SC536:

- Very low foam and mist
- Provides excellent corrosion inhibition on all common ferrous alloys
- Keeps your machines clean while leaving a soft fluid film that protects the bare metal parts of your machine tools - this film is easily washed off with coolant working solution for easy machine cleaning
- Excellent extreme pressure (EP) lubricity to do many form grinding, drilling and tapping operations without the need for chlorine or sulfur-based EP additives
- Extremely low carryoff for very low total operating costs
- Exceptional sump life and very good tramp oil rejection
- Very low initial odour level which usually disappears after on-to-two days
- Minimises the buildup of sticky residues

SC536 especially for:

Applications — band sawing, belt grinding, Blanchard grinding, corrosion inhibition, cutting, cylindrical grinding, double disc grinding, drilling, form cylindrical grinding, form grinding, grinding, internal grinding, machining, plain grinding, reaming, surface grinding, surface milling, tapping, through-feed centreless grinding and turning

Metals — cast iron, composites, copper alloys, exotic alloys, plastics, steels and tool steels

Industries — automotive and bearing

SC536 is free of — chlorine, formaldehyde releasers, nitrites, phenolic compounds and sulphur-based additives

Master Fluid SOLUTIONS™

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Application Guidelines

- The minimum recommended concentration is 5% on cast iron and 4% on steel.
- Concentrations in excess of 7.5% typically provide the best corrosion inhibition, tool life and sump life; however, the optimum concentration for your operation can best be determined by on-site testing.
- SC536 is not recommended on magnesium or zirconium without special precautions.
- SC536 is a superior cleaning agent so it may "wash out" dirt and residues when a machine is first charged.
- 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.

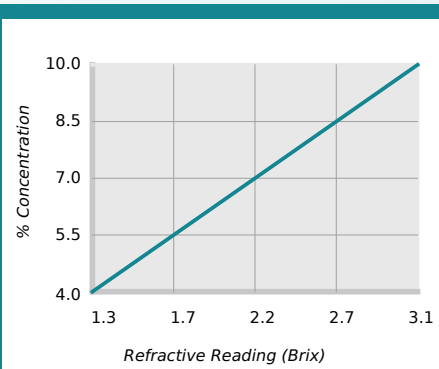
Physical Properties Typical Data

Colour (Concentrate)	Light yellow
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Typical Operating as Range)	9.1 - 10.1
Coolant Refractometer Factor	3.2
Digital Titration Factor	0.0203

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 = 3.2

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_SC536

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