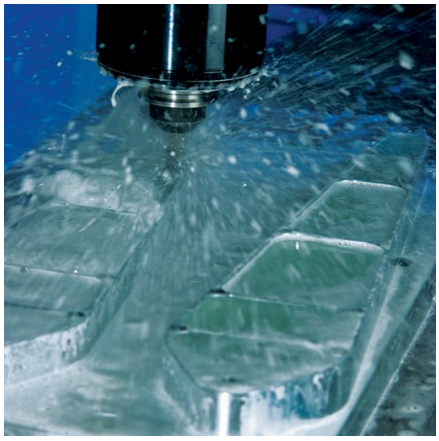
TRIM™ SC9030

High-lubricity Semisynthetic

TRIM SC9030 is a high-oil semisynthetic coolant. This product provides the cooling, rust inhibition, and wetting of a premium synthetic with the mechanical lubricity and machine "friendliness" of a soluble oil. TRIM SC9030 is well suited for general high-speed machining and grinding of all materials and it leaves soluble emulsion oil as residue.

Semisynthetics



Cutting edge solutions:

TRIM® semisynthetics offer the cooling and lubricity of a synthetic without the higher oil content of an emulsion. 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 aluminum alloys, 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 SC9030:

- Compatible with a very wide range of materials including cast iron, steels, copper, aluminum alloys, and many plastics and composites
- Provides superior corrosion inhibition on cast iron and other ferrous and nonferrous materials; and eliminates the "hot chip" and clinkering problems often seen when machining cast iron
- Keeps machines very clean while leaving a soft fluid film for ease of cleaning and reduced maintenance
- Has exceptional sump life and very low makeup for extremely low total operating cost
- Low odor and mist makes for an operator-friendly product
- Easy recycling or disposal with conventional techniques and equipment

SC9030 especially for:

Applications — corrosion inhibition, cutting, grinding, and high-speed milling

Materials — aluminum alloys, cast iron, composites, copper, ferrous metals, nonferrous metals, plastics, and steels

Industries — general industry and job shop

SC9030 is free of — chlorine and NPEs

Master Fluid SOLUTIONS™

TRIM™ SC9030

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Application Guidelines

- Works very well in general machining where a more traditional soluble oil may not cool sufficiently.
- In mixed metal situations, keep concentration above 7,5% to minimize galvanic corrosion.
- If foaming problems appear, before adding antifoam, please look for and rectify any mechanical reason first.
- Running at or above 7,0% offers the best sump life and corrosion inhibition.
- Not recommended for use on reactive metals like magnesium, zirconium or zinc
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/vnm/en-vnm/distributors/index.php, your District Sales Manager, or email us at vietnam-info@masterfluids.com.

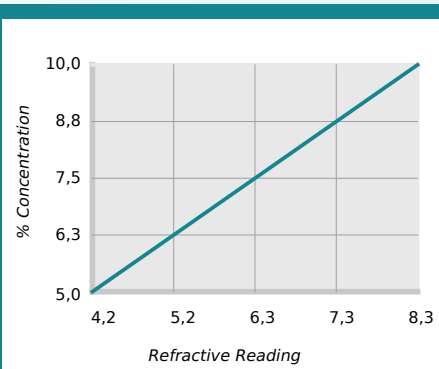
Physical Properties Typical Data

Color (Concentrate)	Blue
Odor (Concentrate)	Mild pleasant
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 100°C
pH (Typical Operating as Range)	9,3 - 10,3
Coolant Refractometer Factor	1,2

Recommended Metalworking Concentrations

Light Duty	5,0% - 6,5%
Moderate Duty	6,5% - 8,5%
Heavy Duty	8,5% - 10,0%
Design Concentration Range	5,0% - 10,0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1,2

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 5,0% - 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=vnm_en-vnm_SC9030

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