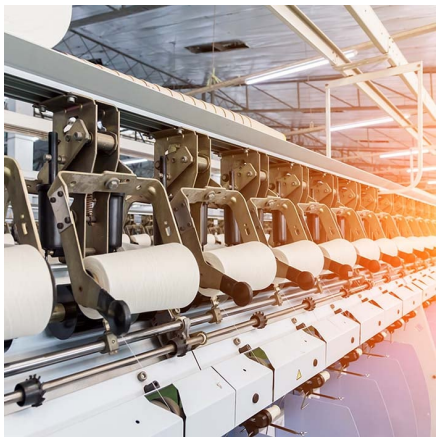
TRIM® SC9030SGM

Cutting and Grinding Fluid Concentrate

TRIM™ SC9030SGM 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. SC9030SGM is well suited for general, high-speed machining and grinding of all materials.

Lakshmi Machine Works Slashes Coolant Spend by 32% with Master Fluid Solutions®



The textiles and apparel industry is the second-largest employer in India, with 45 million workers. It comprises 13% of the country's export earnings, with anticipated 28% annual growth through 2021. As a critical component of the Indian economy, textile manufacturers need to know their machines are reliable.

Lakshmi Machine Works Limited (LMW) produces the machines that power this economic sector. It's the largest manufacturer of textile machines, and it works primarily with steels and grey irons. The company provides the latest spinning technology to Indian textile mills, and it also produces CNC machine tools.

Choose SC9030SGM:

- Compatible with a very wide range of materials including cast iron, steels, copper, aluminum alloys, and many plastics and composite
- 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 and leaves a soft fluid film for easy cleaning and less machine 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

SC9030SGM especially for:

Applications — centerless grinding, cut-off turning, cylindrical form grinding, drilling, face milling, milling, reaming, surface grinding, tapping, and turning

Metals — aluminum alloys, cast iron, composites, plastics, steels, and yellow metals

Industries — automotive, general fabrication, and job shop

SC9030SGM is free of — chlorine

Master Fluid SOLUTIONS®

TRIM® SC9030SGM

Cutting and Grinding Fluid Concentrate

Application Guidelines

- SC9030SGM 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 foam appears, always diagnose the cause of foaming before adding antifoam.
- Running at or above 7% offers the best sump life and corrosion inhibition.
- SC9030SGM is 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/in/en-in/distributors/index.php, your District Sales Manager, or email us at india-info@masterfluids.com.

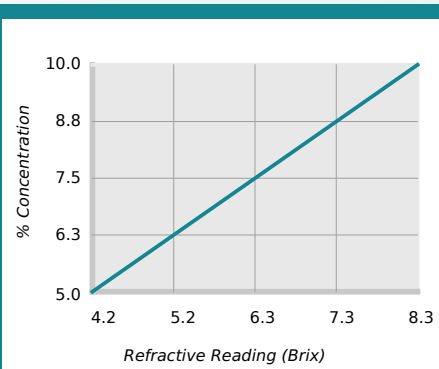
Physical Properties Typical Data

Color (Concentrate)	Blue
Color (Working Solution)	Blue
Odor (Concentrate)	Mild, pleasant
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 100°C
pH (Typical Operating as Range)	9.5 - 10.0
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

TRIM® SC9030SGM

Cutting and Grinding Fluid Concentrate

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-litre pail

204-liter 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.
- TRIM™ is a trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
- Master STAGES™ and Whamex XT™ are trademarks of Master Chemical Corporation d/b/a Master Fluid Solutions.
- 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=in_en-in_SC9030SGM

B-41, Chakan MIDC Phase - 2, Village Bhambuli,
Post Vasuli, Tal. Khed, Pune -410 501.
Maharashtra,
India

india-info@masterfluids.com

masterfluids.com/in/en-in/