



TRIM[®] SC230CG

Oil-rejecting Semisynthetic

GENERAL DESCRIPTION

TRIM[®] SC230CG is a low oil, semisynthetic fluid which meets the needs of the modern and demanding job shops. SC230CG makes use of the latest in synthetic coolant formulations and a specially synthesized oil to produce a versatile product ready to meet the demands of the 21st century. This combination of a proprietary chemical formulation and new synthetic oil technology results in a semisynthetic product that will not foam, rejects tramp oil, has great sump life, and is kind to both machines and operators. This product will perform well in centerless and cylindrical form grinding as well as on high-speed, single-point turning, and down-the-hole work on vertical and horizontal machining centers.

ADVANTAGES

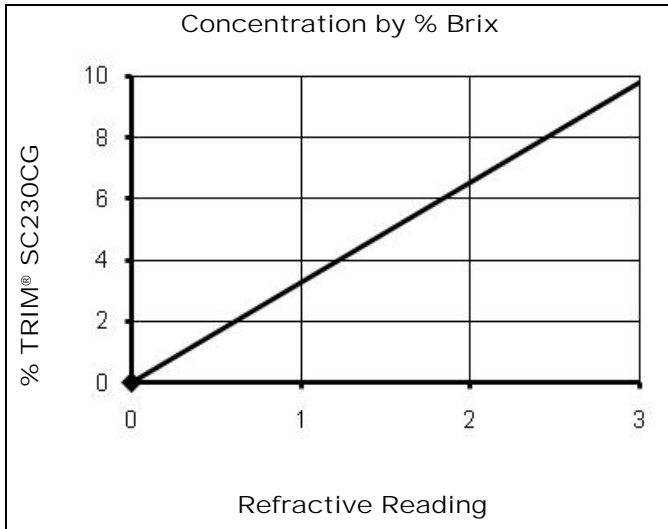
- Compatible with a very wide range of materials including cast iron, steels, and copper alloy, as well as plastics and composites
- Has the lubricity to do form grinding, drilling, tapping, and reaming operations without the use of chlorine or sulfur-based EP additives
- Will not foam even at very high pressures and flow rates
- Is a water clear fluid to allow easy viewing of parts during grinding and machining
- Has good flushing action so that chips and fines are readily flushed into the machine's chip removal system
- Very low carryoff to reduce the need for makeup coolant for low, long-term operating costs
- Easily recycled to reduce coolant purchase and disposal costs

APPLICATION GUIDELINES

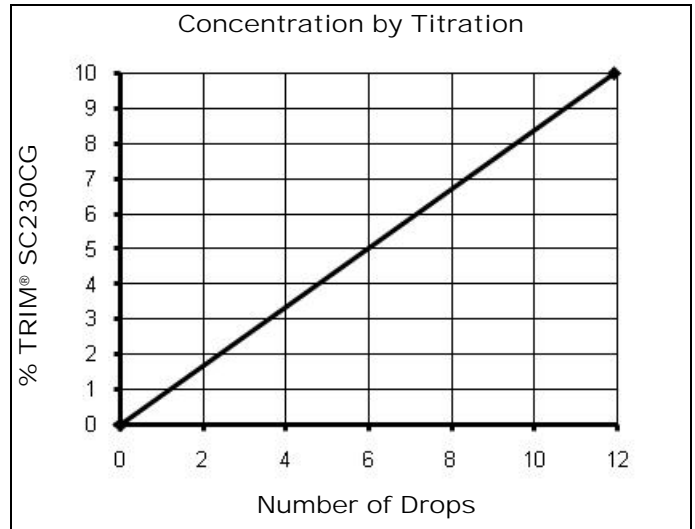
- SC230CG is not recommended in machine tools that rely on the splash of the coolant to lubricate the mechanical portions of the machine tool; e.g. older screw machines, etc.
- This product is a superior cleaning agent so it may "wash out" dirt and residues when a machine is first charged.
- The minimum recommended concentration is 5% on cast iron and 4% on steel.
- Concentrations above 7.5% seem to be better for corrosion inhibition, tool life, and sump life. However, the best concentration for your operation can be determined by on-site testing.
- For additional product applications information including performance optimization, please contact your Master Chemical Authorized Distributor at 2trim.us/distributors.php, your District Sales Manager, the Tech Line at 1-800-537-3365, or visit our web site at www.masterchemical.com.

PHYSICAL PROPERTIES (TYPICAL DATA)

Color	Blue	Titration Factor (CGF-1 Titration Kit)	0.840
Form	Liquid	Odor	Mild Amine
Coolant Refractometer Factor % Brix	3.3	Flash Point	Nonflammable (COC)
pH Typical Operating Range	9.0-9.5	pH of Concentrate (as a range)	9.6-9.9



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 3.3



% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.840

RECOMMENDED METALWORKING CONCENTRATIONS

- Moderate-duty machining and grinding.....5%-7%
- Heavy-duty machining and grinding.....7%-10%

MIXING INSTRUCTIONS

- Using pre-mixed coolant as makeup will substantially improve coolant performance and reduce coolant concentrate purchases. The specific makeup concentration selected for your situation should balance the water evaporation rate with the coolant carryout rate. Adding makeup coolant at 5%-15% of the desired working concentration will generally maintain the proper concentration in the sump.
- The use of DI or mineral-free water to mix this product will improve sump life, reduce concentrate usage, reduce carryoff, and improve corrosion inhibition.

HEALTH AND SAFETY

See the most recent SDS at 2trim.us/s/?i=1046-en-US-US.



NOTES

- Before using this product on any metals and applications not specifically recommended, consult Master Chemical Corporation. Misapplication may create potential risks of product deterioration, possible adverse health effects, and corrosion of work materials or the machine tool.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Chemical Corporation, as this may reduce the overall performance of the product as well as result in adverse health effects and damage to the machine tool and parts. If inadvertent contamination should occur, please contact Master Chemical Corporation for recommended action.
- SC230CG is normally blue in color but may be ordered without dye as TRIM® SC230CG nd.
- Available in: North America - 5-gallon pail, 54-gallon drum, 270-gallon recyclable bin, and tank wagon lot
Europe/Asia – 20-litre pail, 204-litre drum, and 1000-litre IBC

The information herein is given in good faith and believed current as of the date of this Data & Information sheet 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 Chemical Corporation for further information. For the most recent version of this document, please go to this URL: 2trim.us/di/?i=149