



# TRIM<sup>®</sup> SC230CG nd

*Oil-rejecting Semisynthetic - No Dye*

## GENERAL DESCRIPTION

TRIM<sup>®</sup> SC230CG nd is a low oil, semisynthetic fluid which meets the needs of modern and demanding job shops. SC230CG nd 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

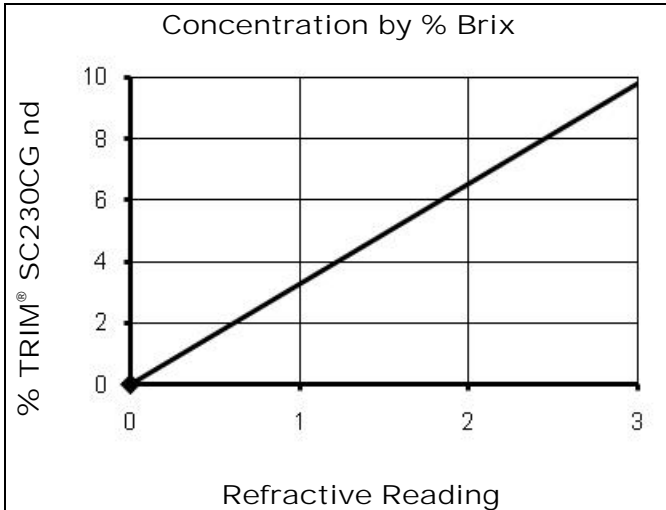
- Compatible with a very wide range of materials including cast iron, steels, and copper alloys, as well as plastics and composites
- Has the lubricity to do form grinding, drilling, tapping, and reaming operations without the use of chlorine or sulfur-based EP additives
- Will not foam even at very 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

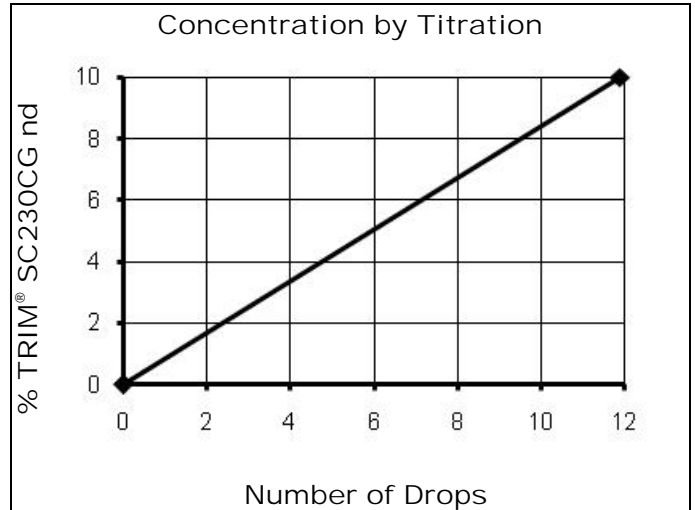
- SC230CG nd is not recommended in machine tools that rely on the splash of the coolant to lubricate the mechanical portions of the machine tool; e.g. older screw machines, etc.
- This product is a superior cleaning agent so it may "wash out" dirt and residues when a machine is first charged.
- The minimum 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](http://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](http://www.masterchemical.com).

## PHYSICAL PROPERTIES (TYPICAL DATA)

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



% 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=1047-en-US-US](http://2trim.us/s/?i=1047-en-US-US).



### NOTES

- Before using this product on any metals and applications not specifically recommended, consult Master Chemical Corporation.
- 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.
- 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=148](http://2trim.us/di/?i=148)

TRIM® is a registered trademark of Master Chemical Corporation

©2006-2013 Master Chemical Corporation Revised February 22, 2016