



TRIM[®] 229

Corrosion-inhibiting Synthetic

GENERAL DESCRIPTION

TRIM[®] 229 is a synthetic coolant that delivers maximum chemical corrosion inhibition on ferrous materials with no residual film at the lowest possible cost. TRIM[®] 229 is often used in surface grinding where maximum cooling and minimum foam are desirable. TRIM[®] 229 is also used in other situations including: water tables on plasma torches, leak detection dip tanks, abrasive cut-off machines, and water-jet cutting systems.

ADVANTAGES

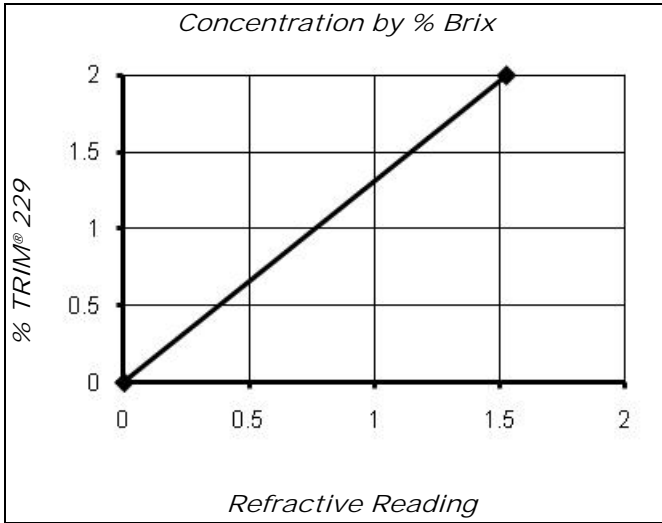
- Highly concentrated for very low-cost working solutions
- Keeps grinding wheels clean and the work piece cool
- Rapidly settles fines
- Operators like TRIM[®] 229's nonfoaming, low mist, and low odor working solutions
- Very low residue for easy cleaning
- Provides good corrosion inhibition on all common ferrous materials
- Rejects tramp oil for easy skimming and cleaning
- Easy recycling or disposal with conventional techniques and equipment

APPLICATION GUIDELINES

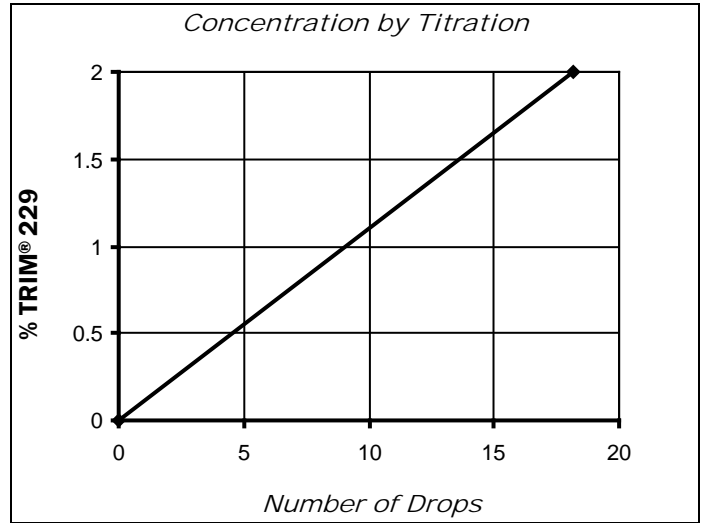
- Typical working solution is between 0.5%-2%.
- TRIM[®] 229 is very effective as an additive to other coolant systems to raise pH, increase reserve alkalinity, and improve vapor phase corrosion inhibition.
- 0.5%-1% working solution is often enough to control oxidation on steels, but 1.5%-2.0% working solution is recommended for cast irons.
- 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 (concentrate)	Colorless	Flash Point.....	Nonflammable (COC)
Color (working solution)	Colorless	pH (Typical Operating as a range)	8.5-9.0
Odor	Mild, ammonical	Coolant Refractometer Factor % Brix.....	1.3
Form.....	Liquid	Titration Factor (CGF-1 Titration Kit).....	0.110



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.3



% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.110

RECOMMENDED METALWORKING CONCENTRATIONS

Light-to moderate-duty grinding 0.5%-2.0%
Design concentration range 0.5%-2.0%

MIXING INSTRUCTIONS

- Using DI or mineral-free water will improve sump life, reduce concentrate usage, reduce carryoff, and improve corrosion inhibition.
- Using premixed coolant as makeup will improve performance and reduce coolant purchases. The makeup concentration you use should balance the water evaporation rate with the coolant carryout rate. (Adding makeup coolant at 10%-25% of the desired working concentration will generally maintain proper concentration in the sump.)

HEALTH & SAFETY

See the most recent SDS at 2trim.us/s/?i=1057-en-US-US.



NOTES

- Use Master STAGES™ Whamex™ for a quick and thorough pre-cleaning of your machine tool and coolant system.
- Before using on any metals or applications not specifically recommended, consult Master Chemical.
- 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 overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Chemical Corporation for recommended action.
- Packaging: North America – 1-gallon jug, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin.
- Packaging: Europe/Asia – 20-litre pail, 204-litre drum, and 1000-litre IBC.

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