



# TRIM<sup>®</sup> 9106

*Synthetic*

## GENERAL DESCRIPTION

TRIM<sup>®</sup> 9106 is a clear, virtually odorless, synthetic coolant with excellent heat dissipating and corrosion inhibiting qualities. This product is recommended for grinding operations on cast iron, aluminum, and steels. TRIM<sup>®</sup> 9106 will not form ammonia when grinding cast iron and allows graphite to float and prevents swarf from clinkering when grinding cast iron. TRIM<sup>®</sup> 9106 contains no sulfur, phosphorus, chlorine, or other halogens.

## ADVANTAGES

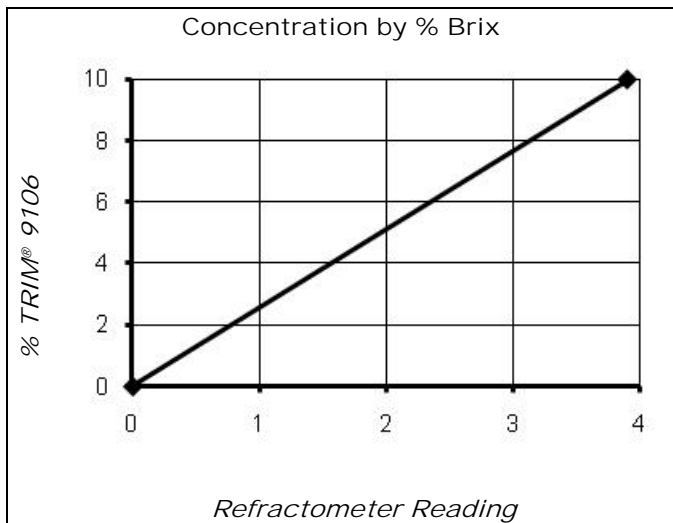
- Very operator, machine, and environmentally friendly
- Moderate pH
- Contains no biocides, no oil, and no halogens
- Will not form ammonia or other gases when grinding or machining cast iron
- Inhibits chip packing and clinkering
- Operators like 9106's very low odor, low foam, low mist, and clear working solution
- Compatible with brass, aluminum, and lead serrations on magnetic grinding chucks
- Machines are easily washed off with coolant working solution to minimize the buildup of residues and chips
- Very low carryoff for extremely low fluid operating costs
- Easy recycling or disposal with conventional techniques and equipment

## APPLICATION GUIDELINES

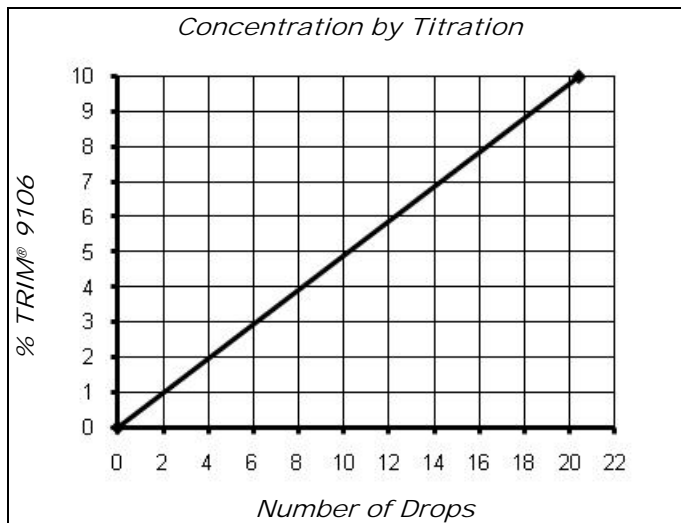
- Concentrations of 5% to 7% usually give the best tool life, finish, and sump life; however, the best concentration for your operation should be determined by on-site testing.
- Is an outstanding product for machining and grinding white and yellow metals because of its moderate operating pH.
- Works well where chemical compatibility with nonmetallic materials (plastics, rubbers, composites, etc.) is an issue.
- 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 (concentrate) .....	Clear	Flash Point .....	>218°F (103°C) (COC)
Color (working solution) .....	Clear	pH (Typical Operating as a range) .....	8.2-8.4
Odor .....	Odorless	Coolant Refractometer Factor % Brix .....	2.56
Form .....	Liquid	Titration Factor (CGF-1 Titration Kit) .....	0.490



% Concentration = Refractive Reading x Refractive Factor  
Coolant Refractometer Factor % Brix = 2.60



% Concentration = No. of Drops x Titration Factor  
Titration Factor = 0.490

### RECOMMENDED METALWORKING CONCENTRATIONS

Light to moderate-duty grinding and machining .....5%-7%  
Design concentration range.....5%-10%

### 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=1037-en-US-US](http://2trim.us/s/?i=1037-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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URL: [2trim.us/di/?i=4](http://2trim.us/di/?i=4)

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