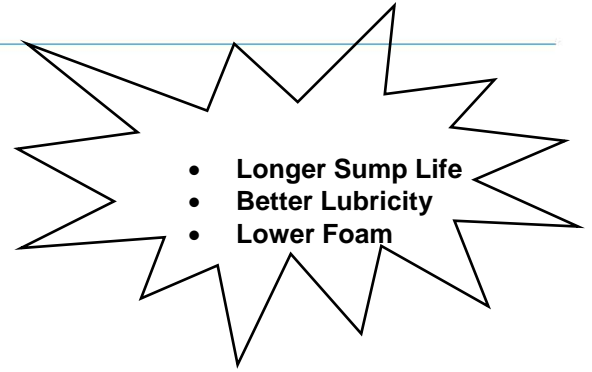




TRIM[®] E917

Low-foam, High-lubricity Emulsion



GENERAL DESCRIPTION

TRIM[®] E917 is a low foam, high lubricity emulsion oil which requires minimal maintenance in even the most demanding fluid management systems. It has broad application in machining and grinding on a wide range of materials. The very high levels of both chemical and mechanical lubricity in this product handle the toughest machining and grinding jobs. The stable and predictable performance of E917 makes it a first choice for high quality, consistent parts manufacturing.

ADVANTAGES

- Very stable formula provides long operational life with consistent performance
- Highly effective extreme pressure additives control built-up edge
- E917 is effective in a wide range of operations from production surface and centerless grinding to heavy-duty broaching, gear hobbing, surface, pocket, and thread milling
- Tight emulsion reduces carryoff and gets the fluid to the point of cut
- In high-speed turning and milling, E917 has the right balance of cooling and lubrication to provide great tool life and surface finishes
- Low foam and low mist make it a first choice for high-pressure, high-volume coolant systems
- Protects the machine tool surfaces while also preventing sticky ways, chucks, tool holders, and fixtures
- Coolant is easily removed with water, working solution, or Master STAGES™ aqueous cleaners
- Easy recycling or disposal with conventional techniques and equipment
- Does not contain or test positive for phenol
- Will run effectively for long periods without the need for costly additives

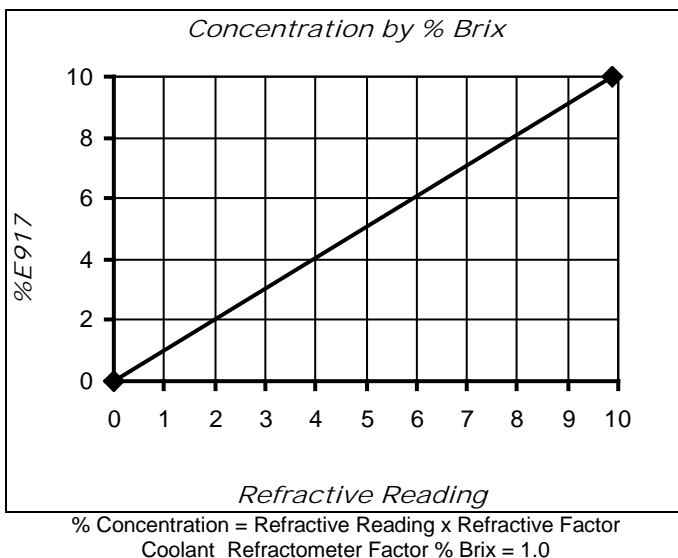
APPLICATION GUIDELINES

- Can run at lower concentrations for higher speed operations where heat removal is the key issue.
- Higher concentrations are recommended on soft, gummy materials and for lower speed operations where friction reduction and control of the BUE are critical.
- Concentrations of 7%-10% provide the best sump life and most predictable performance.
- 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).....	Dark brown	Flash Point	>210°F (99°C) (ASTM D92-12B)
Color (working solution).....	Milky white	pH (Typical Operating as a Range)	9.0-9.7
Odor.....	Mild amine	Coolant Refractometer Factor % Brix	1.0
Form	Liquid	Titration Factor (CGF-1 Titration Kit)	N/A

TRIM® E917



RECOMMENDED METALWORKING CONCENTRATIONS

- Light-duty machining and grinding 3%-5%
- Moderate-duty machining 5%-7%
- Heavy-duty machining 7%-10%

MIXING INSTRUCTIONS

- Using DI or mineral-free water will improve sump life, reduce concentrate usage, reduce carryoff, and improve corrosion inhibition.
- Emulsion products such as E917 work best if they are mixed with room temperature water and by adding the coolant concentrate to the water; NEVER THE REVERSE.
- Using premixed coolant as makeup will improve coolant performance and reduce coolant purchases. The makeup concentration you select should balance the water evaporation rate with the coolant carryout rate. (Adding makeup coolant at about half of the desired working concentration will generally maintain the proper concentration in the sump.)

HEALTH AND SAFETY

See the most recent SDS at 2trim.us/s/?i=1041-en-US-US.



NOTES

- 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.
- E917 working solution is a milky white emulsion.
- Packaging: North America: 1-gallon bottle, 5-gallon pail, 54-gallon drum, and 270-gallon tote bin.
- Packaging: 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=180

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