



TRIM[®] E906

Premium, Low-foaming Emulsion

GENERAL DESCRIPTION

TRIM[®] E906 is a premium, low-foaming formula combining the newest available technology with our proven emulsion-based cutting platform. E906 delivers consistent machining and grinding performance on a wide range of materials and applications. The stable and predictable performance of E906 makes it a first choice for manufacturers doing work for industries as diverse as aerospace, automotive, energy, and specialty job shops. E906 offers a unique blend of both mechanical and extreme pressure lubricity agents.

ADVANTAGES

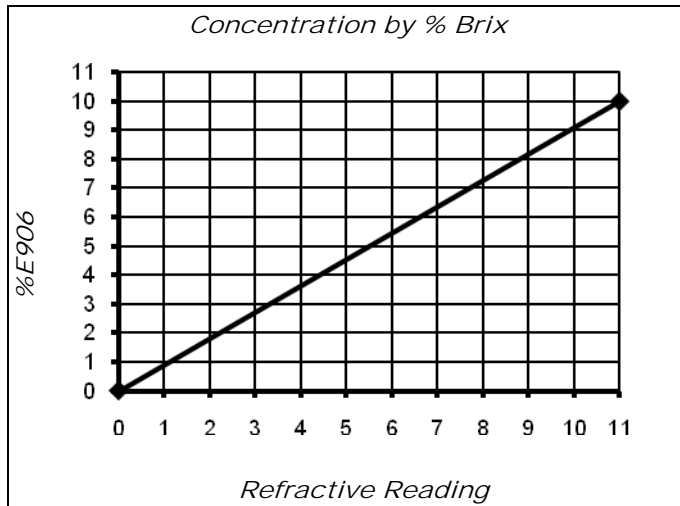
- Longer operational life than competitive fluids
- Highly effective, extreme pressure additives control built-up edge
- E906 is effective in a wide range of operations from production surface and centerless grinding to heavy-duty broaching, gear hobbing, surface, pocket, and thread milling
- Low odor for pleasant operating environment
- Tight emulsion reduces carryoff and gets the fluid to the point of cut
- In high-speed turning and milling, E906 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)	Brown	Flash Point	Nonflammable (COC)
Color (working solution)	Milky white	pH (Typical Operating as a range).....	8.8-9.8
Odor	Mild amine	Coolant Refractometer Factor % Brix	0.9
Form.....	Liquid		



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 0.9

RECOMMENDED METALWORKING CONCENTRATIONS

- Light-duty machining and grinding 5%-7%
- Moderate-duty machining 6%-8%
- Heavy-duty machining 8%-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 E906 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=1040-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.
- E906 working solution is a milky white emulsion.
- 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.

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=197