



TRIM[®] EP

High-lubricity Semisynthetic

GENERAL DESCRIPTION

TRIM[®] EP is a low oil, high-performance semichemical or semisynthetic product. While EP contains limited amounts of petroleum oil, it is a fully loaded semi using synthetic fats for wetting and lubricity, chlorine, and sulfur EP additives for BUE control. While EP is most often used in heavy-duty production band sawing and drilling operations, it has found extensive use in the production grinding of hardened steel and stainless steel parts.

ADVANTAGES

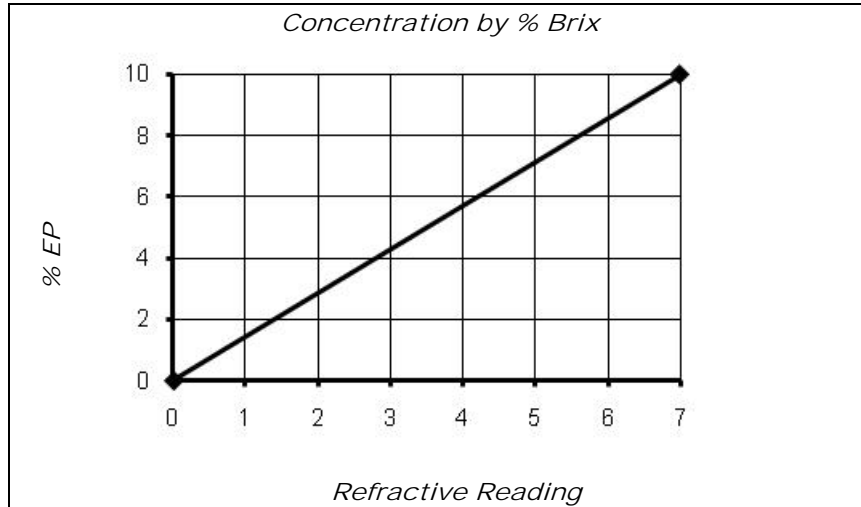
- Has the mechanical lubricity necessary to provide protection to blade handling systems on high performance band sawing machines as well as the cooling and antiweld additives to optimize blade life
- A proven mixture of EP additives and wetting agents to optimize high-pressure operations including drilling and cylindrical form grinding on a variety of metals
- Delivers superior tool life in spade and injector drilling operations
- Has sufficient mechanical lubricity and wetting to protect the guides and rests in high volume centerless grinding
- Offers particularly good performance when used in support of BZN grinding wheels in production grinding operations
- Will keep machines very clean while leaving a fluid oily residue for ease of cleaning and reduced machine maintenance costs

APPLICATION GUIDELINES

- Best sump life is achieved with concentrations in excess of 7.5%.
- Higher concentrations increase both chemical and mechanical operations. Concentrations in excess of 20% are not normally recommended.
- Is not recommended on very reactive metals like magnesium and zirconium.
- Contact your Master Chemical Distributor or District Sales Manager for assistance in recycling this product.
- 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 (ASTM D92-12B)
Color (Working Solution)	Brown	pH (Typical Operating as a Range)	8.3-8.9
Odor	Mild	Coolant Refractometer Factor % Brix.....	1.4
Form.....	Liquid	Titration Factor (CGF-1 Titration Kit)	0.820



$\% \text{ Concentration} = \text{Refractive Reading} \times \text{Refractive Factor}$
Coolant Refractometer Factor % Brix = 1.4

RECOMMENDED METALWORKING CONCENTRATIONS

Production band sawing and drilling 10%-15%
Moderate-duty machining and grinding 5%-7.5%
Heavy-duty machining and form grinding 7.5%-10%

MIXING INSTRUCTIONS

- Using premixed 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 30%-50% 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, improve corrosion inhibition, etc.

HEALTH AND SAFETY

See the most recent SDS at 2trim.us/s/?i=1074-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 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.
- This product forms a brown solution when mixed with water and is not available with dye.
- 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=31

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