



TRIM® E708

Cutting and Grinding Fluid Concentrate

GENERAL DESCRIPTION

TRIM® E708 is a high quality, universal soluble 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 high levels of both chemical and mechanical lubricity in this product handle the medium to high duty machining and grinding jobs. The stable and predictable performance of TRIM® E708 makes it a first choice for high-quality, consistent parts manufacturing.

ADVANTAGES

- Very stable formula provides long operational life with consistent performance.
- Extremely hard water tolerant.
- Non-chlorinated and non-sulphurised extreme pressure (EP) additives control built-up edge (BUE).
- Extremely fine soluble oil emulsion reduces carryoff for low total operating cost.
- Fast wetting to get the fluid to the point of cut and fully coat the work piece and chips for superior corrosion prevention.
- Compatible with aluminium alloys, steel alloys, cast iron and yellow metals.
- Easily recycled or disposed of without special handling or equipment.
- Will run effectively for long periods without the need for costly additives.

APPLICATION GUIDELINES

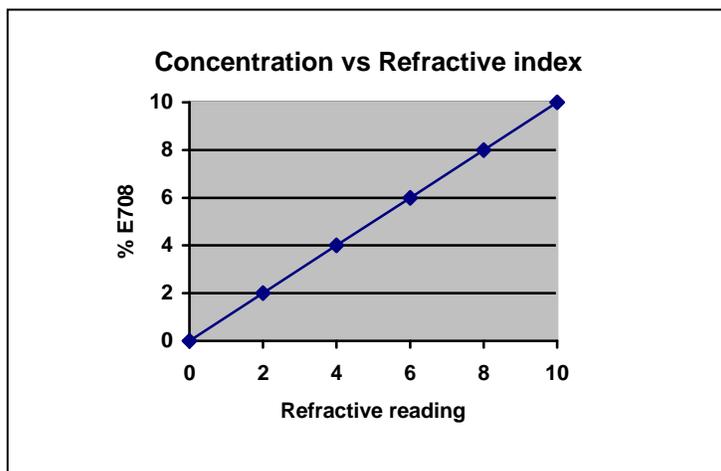
- It can run at lower concentrations for higher speed operations (where heat removal is the key issue).
- Higher concentrations are recommended on soft, gummy materials and for lower speed operations where friction reduction and control of built-up edge are critical.
- Concentrations above 7% provide the best sump life.
- For additional applications information, please contact your Master Chemical Authorized Distributor, your District Manager or visit our website at www.masterchemical.com.

PHYSICAL PROPERTIES (TYPICAL DATA)

Form.....Liquid
 Colour (concentrate).....Amber
 Odour.....Mild Amine
 Refractometer Factor.....1.0

Flash Point (concentrate).....none to boiling
 pH typical operating range.....8.0 – 9.5
 Specific Gravity.....0.96





% Concentration = Refractive Reading x Refractive Factor
 Refractive Factor =1.0

RECOMMENDED METALWORKING CONCENTRATIONS

Light-duty machining and grinding 3%-5%
 Moderate-duty machining..... 5%-7%
 Heavy-duty machining..... 7%-15%

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 TRIM® E708 work best if mixed with room temperature water. Add the coolant concentrate to the water; NEVER THE REVERSE.
- Using premixed coolant as makeup will improve 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 30%-40% of the desired working concentration will generally maintain the proper concentration in the sump.)

HEALTH & SAFETY

For further information, see the most recent MSDS, which is available directly from Master Chemical Europe, your Master Chemical Authorized Distributor, or may be printed from our website at www.masterchemical.com.

NOTES

- Use TRIM® Whamex™ for a quick and thorough precleaning of your machine tool and coolant system prior to charge-up.
- Before using this product on any metals and applications not specifically recommended, consult Master Chemical Europe.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Chemical Europe, 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 Europe for recommended action.
- TRIM® E708 working solution is a milky white emulsion.
- Packaging: Europe/Asia – 20-litre pail, 204-litre drum, 1000-litre IBC.

Because conditions of use are beyond our control, no warranty, guarantee, or representation is made or intended in connection with the use of this product.
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