TRIM™ E758

Versatile, Non-chlorinated Emulsion

TRIM E758 is a versatile, non-chlorinated multi-metal emulsion designed to deliver strong machining performance across a wide range of ferrous and non-ferrous alloys. Engineered for improved value, TRIM E758 provides excellent lubricity, long sump life, and dependable corrosion protection—making it ideal for customers seeking high performance at a more economical price point.

Emulsions

Geared up for production:

With superior lubricity and a higher oil content, TRIM emulsions provide a greater boundary layer between the tool and the material, and are ideal for heavy-duty applications such as broaching, reaming, deep hole drilling, drilling, tapping and centerless grinding.

TRIM emulsions work well for machining copper, yellow metals, steel alloys, cast aluminiums, wrought aluminiums and tough-to-machine titanium and nickel-based alloys.

Choose E758:

- Versatile multi-metal performance across both ferrous and nonferrous alloys
- Sable emulsion technology designed for long operational life and predictable performance
- Strong lubricity suitable for medium-duty machining and grinding
- Easy to maintain long fluid sump life
- Low odor and low foam

E758 especially for:

Applications — general purpose and grinding

Metals — aluminum, brass, bronze, carbon steel, die cast alloys, stainless steels, and steels

Industries — automotive and general machining

E758 is free of — chlorinated paraffin, DEA, NPEs, phenolic compounds, and sulfurized EP additives

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Application Guidelines

- TRIM E758 is used at 6% or above to provide the best corrotion protection and sump life
- It is not recommended for use on reactive metals like magnesium, zirconium, or zinc
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/th/en-th/distributors/index.php or your District Sales Manager, or email us at thailand-info@masterfluids.com.

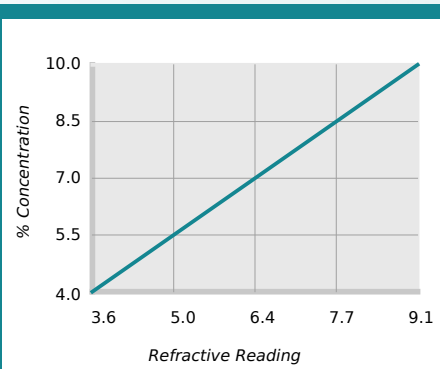
Physical Properties Typical Data

Color (Concentrate)	Light yellow to amber
Color (Working Solution)	White emulsion
Odor (Concentrate)	Mild
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Typical Operating as Range)	8.8 - 9.8
Coolant Refractometer Factor	1.1

Recommended Metalworking Concentrations

Light Duty	4.0% - 6.5%
Moderate Duty	6.5% - 8.5%
Heavy Duty	8.5% - 10.0%
Design Concentration Range	4.0% - 10.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.1

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 4.0% - 10.0%.
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.
- Use premixed coolant as makeup to improve coolant performance and reduce coolant purchases. The makeup you select should balance the water evaporation rate with the coolant carryout rate. Use our Coolant Makeup Calculator to find the best ratio for your machine: apps.masterfluids.com/makeup/.
- Use mineral-free water to improve sump life and corrosion inhibition while reducing carryoff and concentrate usage.

Ordering Information

204-liter drum

1000-litre IBC

Additional Information

- Use Master STAGES™ Whamex™ for a quick and thorough precleaning of your machine tool and coolant system.
- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
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https://2trim.us/di/?i=th_en-th_E758

333/8 Moo 9, Bangpla, Bangplee
Samutprakarn, 10540
Thailand
+662 136 6319

thailand-info@masterfluids.com

masterfluids.com/th/en-th/