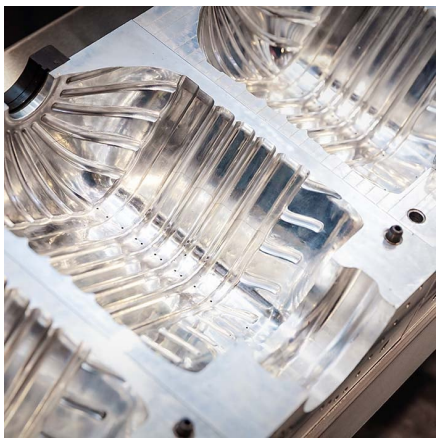
TRIM™ E923

Cutting and Grinding Fluid Concentrate

TRIM E923 is a proprietary blend of new vegetable-based technology and very high levels of chlorine free extreme pressure (EP) additives to yield an extreme performance, low management metal removal fluid. This premium emulsion product is robust enough to deliver unparalleled tool life in some of the most difficult metal cutting operations whilst still providing the excellent non-cutting characteristics normally associated with traditional, high quality emulsions from Master Fluid Solutions. The optimised lubricity and extreme pressure package matches heavy duty neat oils on difficult to machine materials such as inconel, titanium, stainless steel and high tensile strength steels.

Injection Mould Manufacturer Improves Productivity and Tool Life with TRIM™ E923



One of North America's leading mould builders creates high-quality, precision plastic injection moulds for automotive original equipment manufacturers (OEMs). Globally recognised for their high-tech tool production capabilities, the company has maintained a strong reputation of quality and precision for more than 30 years.

Choose E923:

- Delivers exceptional lubricity and EP performance
- Has the necessary performance to replace neat oils in certain applications
- Very long sump life
- Low foam even in soft water areas
- Hard water tolerant
- Compatible with all materials excluding magnesium
- Easily recycled or disposed of without special handling or equipment
- Will run effectively for long periods without the need for costly additives

E923 especially for:

Applications — boring, broaching, deep hole drilling, down the hole work, drilling, Ejector® drilling, gear cutting, gear shaping, gun drilling, heavy-duty machining center work, high-pressure, high-volume, honing, lubricity additive, milling, reaming, roll threading, screw machine operations, tapping, thread forming, thread rolling and turning

Metals — aluminium alloys, nickel alloys, nonferrous metals, stainless steels, steel alloys, steels and titanium

Industries — automotive and energy

E923 is free of — boron, chlorine, formaldehyde releasers, nitrites and phenolic compounds

Master Fluid SOLUTIONS™

TRIM™ E923

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Application Guidelines

- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at https://www.masterfluids.com/eu/en/distributors/index.php, your District Sales Manager, or call our Tech Line at +49 211 41 72 8 -900.

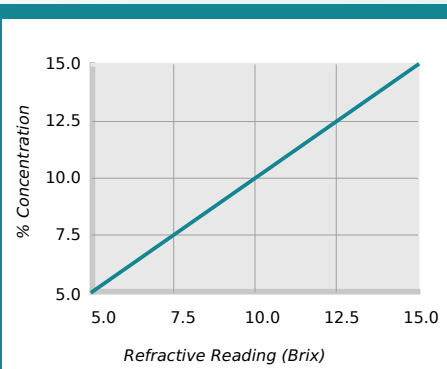
Physical Properties Typical Data

Colour (Concentrate)	Light brown
Colour (Working Solution)	White emulsion
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Concentrate as Range)	10.2 - 10.5
pH (Typical Operating as Range)	9.7 - 10.1
Coolant Refractometer Factor	1.0

Recommended Metalworking Concentrations

Light Duty	5.0% - 8.0%
Moderate Duty	8.0% - 10.0%
Heavy Duty	10.0% - 15.0%
Design Concentration Range	5.0% - 15.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.0

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 5.0% - 15.0%.
- 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

20-litre pail

204-litre 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.
- TRIM® is a registered trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
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- The information herein is given in good faith and believed current as of the date of publication 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 Fluid Solutions for further information. For the most recent version of this document, please go to this URL:

https://2trim.us/di/?i=eu_en_E923

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