TRIM® MIST

Synthetic Misting Fluid

TRIM MIST is a surface active synthetic coolant concentrate for spray mist operations. It is a clear and virtually odorless fluid that controls the overspray that is common with standard cutting and grinding fluids. It works well in cutting/grinding operations or where spray mists are used on boring mills and high-speed face milling.

Aerospace Manufacturer Cuts Coolant Usage by 80% with TRIM® MIST



Having recently achieved a Tier I status, the customer is one of the most respected suppliers of large, complex-machined parts and assembly operations to the aerospace industry. The company provides major structural components for commercial and military aircraft programs.

Choose MIST:

- Provides rapid and effective cooling
- Keeps grinding wheels clean and free of loading
- Has superior anti-weld action to control built-up edge and chip welding
- Compatible with all ferrous and most nonferrous materials
- Compatible with most nonmetallic materials
- Has very low odor and is pleasant to work with
- Contains no oil to leave slippery films on the work piece, the machine, or in the surrounding area
- Has a very low initial odor level which usually disappears after using for one-to-two days
- Will keep your machines clean while leaving a soft fluid film that protects the bare metal parts of your machine tools
- Has exceptional sump life and very good tramp oil rejection

MIST especially for:

Applications — boring, cutting, grinding, and high-speed face milling

Metals — ferrous metals, nonferrous metals, and nonmetallic materials

Industries — aerospace, general fabrication, and medical

MIST is free of — amines, boron, EPA 33/50 listed ingredients, MEA, NPEs, oil, siloxane, and triazine

Master Fluid SOLUTIONS®

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Application Guidelines

- MIST is not recommended for use on reactive metals like magnesium or zirconium.
- MIST is not recommended for use in recirculation systems.
- The recommended concentration is 5% on all materials.
- As spray mist systems are superior methods of cooling the work piece and cutting tool, they are most effective when all of the material evaporates.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

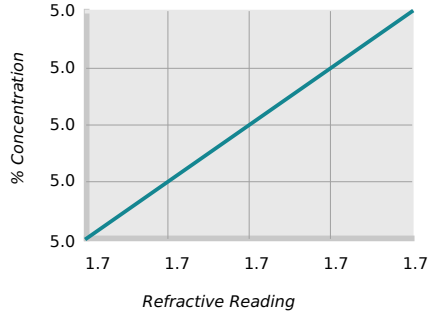
Physical Properties Typical Data

Color (Concentrate)	Light yellow
Color (Working Solution)	Colorless
Odor (Concentrate)	Nearly odorless
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 219°F
pH (Concentrate as Range)	8.0 - 8.4
pH (Typical Operating as Range)	8.5 - 9.0
Coolant Refractometer Factor	3.0
Titration Factor (CGF-1 Titration Kit)	0.84
Digital Titration Factor	0.0250
V.O.C. Content (ASTM E1868-10)	140 g/l

Recommended Metalworking Concentrations

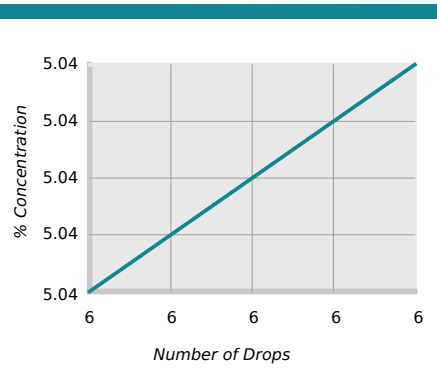
Design Concentration Range	5.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 3.0

Concentration by Titration



% Concentration = No. of Drops x Titration Factor
Titration Factor = 0.84

Health and Safety

Request SDS

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Mixing Instructions

- 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.



1-gallon jug
SKU: MIST-1G
UPC-12: 641238019954



5-gallon pail
SKU: MIST-5G
UPC-12: 641238004356



54-gallon drum
SKU: MIST-54G
UPC-12: 641238004363



270-gallon tote
SKU: MIST-270G
UPC-12: 641238074373

Additional Information

- Use Master STAGES™ Whamex XT™ 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.
- Master STAGES™ and Whamex XT™ are trademarks of Master Chemical Corporation d/b/a Master Fluid Solutions.
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