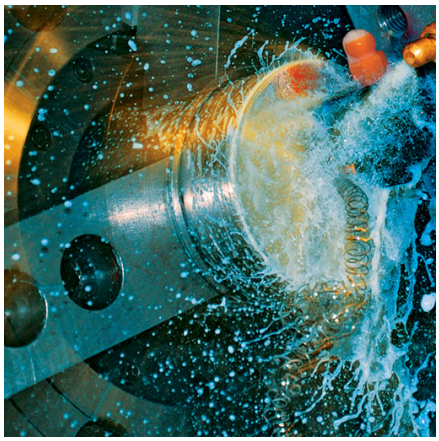
TRIM™ MicroSol™ 625 NXT

PRTR Compliant Semisynthetic for Multi-metal Machining

TRIM MicroSol 625NXT is a next-generation of ester-based technology developed by Master Fluid Solutions for multi-metal machining. The product is PRTR compliant and low foaming in both soft and hard water. MicroSol 625NXT is designed to machine die cast aluminum and hard-to-cut alloys.

MicroSol



For ultimate performance:

TRIM™ MicroSol™ semisynthetic microemulsion coolants deliver high-performance lubricity and ultimately lower costs. Achieve precision parts, exceptional tool life, extended sump life, assured regulatory compliance, and greater profitability with the MicroSol product just right for your production.

Designed to meet the rigorous demands of the aerospace, medical, automotive, and high production, precision parts manufacturing industries, there's a MicroSol to answer your concerns, ramp up your production, and boost your bottom line.

Choose MicroSol 625NXT:

- Great foam control even in soft water
- Great cleanliness and save time for maintainance
- Excellent lubricity performance and provides long-lasting tool life
- Does not contain any chemicals listed under Japan PRTR regulation
- Highly compatible with diecast aluminum and aluminum alloys with excellent corrosion protection
- Improves cooling efficiency without requiring any additional biocide/fungicide during tank-side treatment

MicroSol 625NXT especially for:

Applications — band sawing, boring, drilling, face milling, grinding, milling, reaming, tapping, and turning

Metals — aluminum, aluminum alloys, brass, bronze, carbon steel, cast iron, composites, copper, die cast alloys, Inconel®, plastics, and stainless steels

Industries — general industry

MicroSol 625NXT is free of — chlorine, DEA, mineral oils, PRTR materials, and sulfur

Master Fluid SOLUTIONS™

TRIM™ MicroSol™ 625 NXT

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Application Guidelines

- Running at or above 6.0% offers the best sump life and corrosion inhibition to protect machine tools and parts.
- Performs well where traditional soluble oils may not cool sufficiently.
- Not recommended for below 5% because of sump life and corrosion issue.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/ap/en-ap/distributors/index.php, your District Sales Manager, or email us at apac-info@masterfluids.com.

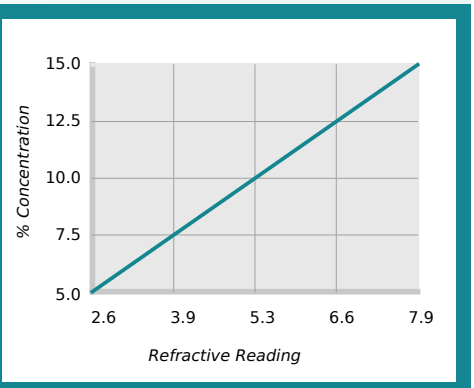
Physical Properties Typical Data

Color (Concentrate)	Light Yellow to Amber
Color (Working Solution)	White translucent
Odor (Concentrate)	Mild
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 100°C
pH (Concentrate as Range)	8.5 - 9.5
pH (Typical Operating as Range)	8.8 - 9.6
Coolant Refractometer Factor	1.9

Recommended Metalworking Concentrations

Light Duty	5.0% - 6.5%
Moderate Duty	6.5% - 8.5%
Heavy Duty	8.5% - 15.0%
Design Concentration Range	5.0% - 15.0%

Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.9

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-liter pail

204-liter drum

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™ and MicroSol™ are registered trademarks 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=ap_en-ap_MS625NXT

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