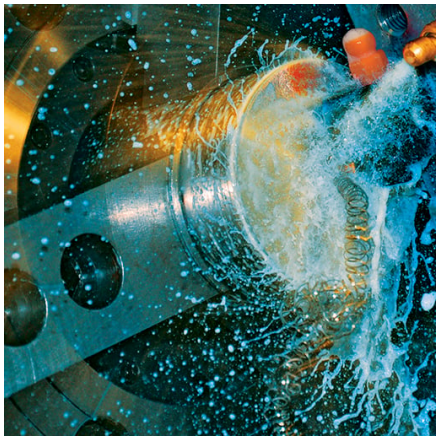
TRIM™ MicroSol™ 687NXT bd

Premium High-lube PRTR Microemulsion - Blue Dye

TRIM MicroSol 687NXT bd is a clear blue, premium high-lube, PRTR compliant microemulsion. The product is low foaming in soft water but is also stable in hard water. The product is designed to machine difficult to machine metals, such as stainless steel and Inconel

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 687NXT bd:

- Keeps machines very clean while leaving a soft fluid film for ease of cleaning and reduced maintenance
- Excellent compatibility with a very wide range of material including stainless steel, nickel alloys, titanium, and aluminum alloys
- Greatly extends useful life without the need for tank side biocides or fungicides
- Low foaming for modern high-pressure, high-volume applications
- Uses standard metalworking recycling and disposal techniques
- Does not contain any chemical listed under Japan PRTR regulation
- Provides superior corrosion inhibition on all ferrous metals

MicroSol 687NXT bd especially for:

Applications — general purpose and high-pressure, high-volume

Materials — aluminum alloys, nickel alloys, plastics, steels, and titanium

Industries — aerospace, energy, and general industry

MicroSol 687NXT bd is free of — boron, chlorinated EP additives, formaldehyde releasers, mineral oils, nitrites, phenols, PRTR materials, secondary amines, and sulfurized EP additives

Master Fluid SOLUTIONS™

TRIM™ MicroSol™ 687NXT bd

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Application Guidelines

- Running at or above 7.0% 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 use for very reactive metals such as magnesium.
- 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.

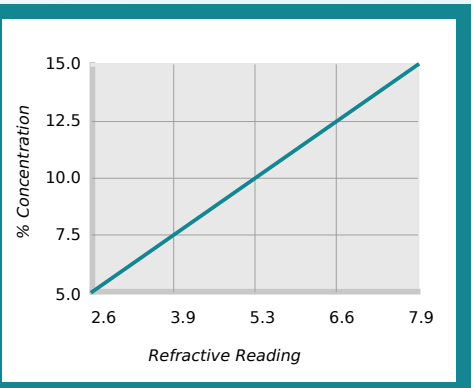
Physical Properties Typical Data

Color (Concentrate)	Clear blue
Color (Working Solution)	Clear blue
Odor (Concentrate)	Mild
Form (Concentrate)	Liquid
pH (Concentrate as Range)	9.5 - 9.9
pH (Typical Operating as Range)	9.2 - 9.8
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.
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https://2trim.us/di/?i=th_en-th_MS687NXTBD

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