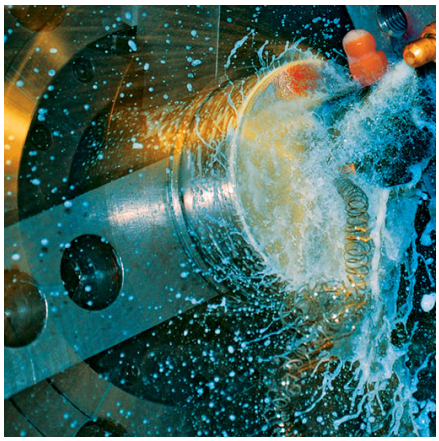
TRIM™ MicroSol™ 636NXT

Ester based semisynthetic

TRIM MicroSol 636NXT is an innovative, translucent semisynthetic metalworking fluid free of mineral oil, boron, secondary amines and biocide. The product is low foaming even in soft waters but is also stable in waters with a high hardness. The product is ideal for use in turning and milling of structural steels, alloy steels, aluminium and yellow metals due to its well balanced lubrication and cooling characteristics. It can also be used for the machining and grinding of cast iron.

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 636NXT:

- Mineral oil, boron, secondary amine and biocide free
- Provides superior corrosion inhibition on all ferrous metals
- Uses standard metalworking recycling and disposal techniques
- Low foaming for modern high-pressure, high-volume applications
- Greatly extends useful life without the need for tank side biocides or fungicides
- Keeps machines very clean while leaving a soft fluid film for ease of cleaning and reduced maintenance

MicroSol 636NXT especially for:

Applications — band sawing, boring, drilling, grinding, machining, milling, reaming, thread forming and turning

Materials — aluminium, cast iron, copper alloys, nickel alloys, nonferrous metals, stainless steels and steels

Industries — agriculture, automotive, energy, general machining, job shop, naval and tool

MicroSol 636NXT is free of — boron, chlorine, formaldehyde releasers, mineral oils, MIPA, nitrites, phenols, secondary amines and sulphurised EP additives

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Application Guidelines

- Performs well where traditional soluble oils may not cool sufficiently.
- Not recommended for use for very reactive metals such as magnesium.
- Running at or above 7.0% offers the best sump life and corrosion inhibition on cast iron chips.
- 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.

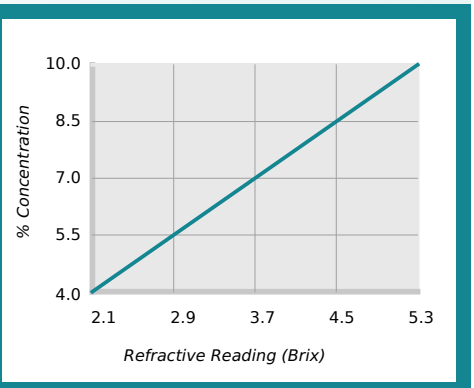
Physical Properties Typical Data

Colour (Concentrate)	Amber
Colour (Working Solution)	Opaque
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (EN ISO 2719)	> 120°C
pH (Concentrate as Range)	9.6 - 9.8
pH (Typical Operating as Range)	9.6 - 9.8
Coolant Refractometer Factor	1.9

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 = 1.9

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

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.
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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_MS636NXT

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