TRIM™ DRIVE CF3

High-performance Fluid for Hard Disk Drives

TRIM DRIVE CF3 is a specialized, chlorine-free, heavy-duty coolant formulated to meet the high-precision machining and stringent chemical restrictions of the Hard Disk Drive (HDD) industry. It has very good wetting and great lubricity resulting in excellent surface finishes and its ease of wash-ability makes DRIVE CF3 an excellent choice for HDD components manufacturers. TRIM DRIVE CF3 will run in high-pressure situations with little to no foam.

DRIVE



For ultimate performance:

DRIVE 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 a product just right for your production. Designed to meet the rigorous demands of the HDD industry and high production, precision parts manufacturing industries, there is a TRIM Drive to answer your concerns, ramp up your production, and boost your bottom line.

Choose DRIVE CF3:

- In addition to aluminum alloy, it is also suitable for a wide range of materials including steels and stainless steels
- Low foam even in high-pressure operations without the use of silicone antifoam
- Good hydrodynamic lubrication to perform reaming and threading applications
- Excellent anti-weld properties without the use of either chlorinated or sulfurized EP additives
- Keeps machines very clean while leaving a fluid, oily residue for ease of cleaning and reduced machine maintenance costs
- Does not require special disposal and is easily recycled
- Non-staining on aluminum alloys commonly used to produce HDD components
- After machining, parts can be washed easily and completely in aqueous washing systems

DRIVE CF3 especially for:

Applications — high-pressure, reaming, and thread rolling

Materials — aluminum alloys, stainless steels, and steels

Industries — hard disk drives

DRIVE CF3 is free of — chlorinated EP additives, silicone, and sulfurized EP additives

Master Fluid SOLUTIONS™

TRIM™ DRIVE CF3

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Application Guidelines

- Higher concentrations of TRIM DRIVE CF3 working solutions increase both hydrodynamic and EP lubrication.
- TRIM DRIVE CF3 is not recommended for use on cast iron, magnesium, or zirconium without special precautions. However, aluminum or zinc alloy with magnesium content is generally acceptable.
- The excellent "wetting" characteristics of TRIM DRIVE CF3 may wash out dirt and residues when a machine is first charged.
- Check with Master Fluid Solutions for the proper cleaner product which should be used before filling machine tanks with TRIM DRIVE CF3.
- 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.

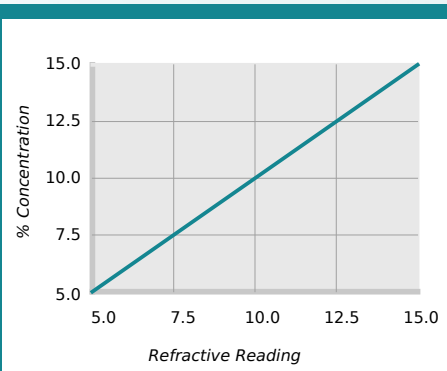
Physical Properties Typical Data

Color (Concentrate)	Yellow
Color (Working Solution)	White emulsion
Odor (Concentrate)	Mild amine
Form (Concentrate)	Liquid
pH (Concentrate as Range)	9.0 - 10.0
pH (Typical Operating as Range)	8.7 - 9.7
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-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™ is a 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=th_en-th_DRIVECF3

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