# TRIM™ C270II

## *Cutting and Grinding Fluid Concentrate*

TRIM C270II is a state-of-the-art synthetic coolant. C270II provides excellent cooling and chip settling, good tramp oil rejection and machine cleanliness. TRIM C270II meets the needs of the modern job shop which benefits from a single premium synthetic coolant to preform virtually all its machining operations.

## *Synthetics*



***Peak your performance:***

*TRIM™ clean-running synthetics contain little to no oil. They are typically hard-water tolerant with good corrosion protection. Plus, synthetics leave very low residue for easy cleaning. Paired with extremely low carryoff, synthetics translate to less maintenance and lower operational costs, saving you time and money.*

*Run clean and long with TRIM synthetics.*

### Choose C270II:

- Provides excellent corrosion inhibition on all common ferrous and nonferrous alloys
- Does a great job in form grinding, drilling, tapping, and reaming operations without chlorine or sulfur based EP additives
- Extremely low carryoff for very low total operation costs
- Very low foam and mist
- A very low initial odor level which usually disappears after 1-2 days
- Keeps your machines clean while leaving a soft, fluid film that protects the bare metal parts; this residual film is easily resoluble in coolant working solution to facilitate easy machine cleaning and minimize the buildup of sticky residues that can hold machine-destroying chips
- Exceptional sump life and very good tramp oil rejection

### C270II especially for:

**Applications** — drilling, grinding, reaming, and tapping

**Materials** — cast iron, composites, copper alloys, plastics, and steels

**Industries** — general machining

**C270II is free of —** chlorine, DCHA, DEA, nitrites, NPEs, phosphorous, and sulfurized EP additives

Master Fluid SOLUTIONS™

# TRIM™ C270II

## *Cutting and Grinding Fluid Concentrate*

## Application Guidelines

- The harder you work this product the better the results will be.
- Not recommended in machine tools that rely on the splash of the coolant to lubricate the mechanical portions of the machine tool, e.g. older screw machines, etc.
- Not recommended on materials like magnesium or zirconium without special precautions.
- This product is a superior cleaning agent so it may “wash out” dirt and residues when a machine is first charged; a thorough cleaning of older machines is required when installing this product the first time.
- The minimum recommended concentration is 5,0% on cast iron and 4,0% on steel
- Concentrations above 7,5% provide excellent corrosion inhibition, tool life, and sump life; however, the best concentration for your operation should be determined by onsite experience.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/vnm/en-vnm/distributors/index.php, your District Sales Manager, or email us at vietnam-info@masterfluids.com.

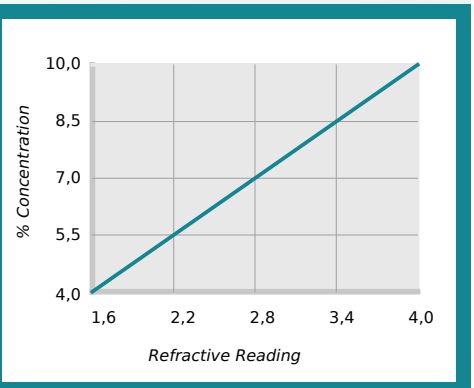
## Physical Properties Typical Data

| | |
|---|---|
| Color (Concentrate) | Light yellow |
| Odor (Concentrate) | Mild pleasant |
| Form (Concentrate) | Liquid |
| Flash Point (Concentrate) (ASTM D92-90) | > 100°C |
| pH (Typical Operating as Range) | 9,0 - 10,0 |
| Coolant Refractometer Factor | 2,5 |

## 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 = 2,5

## Health and Safety

Request SDS

# TRIM™ C270II

## *Cutting and Grinding Fluid Concentrate*

## 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-liter pail

204-liter drum



## 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 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.
- 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=vnm_en-vnm_C270II

17th Floor, VCCI Tower, 9 Dao Duy Anh Street, Phuong Mai Ward, Dong Da District

Hanoi City, 115500

Vietnam

+84 24-3512-3436

vietnam-info@masterfluids.com

masterfluids.com/vnm/en-vnm/