# TRIM® C276WP

## *Cutting and Grinding Fluid Concentrate*

TRIM C276WP is a synthetic coolant concentrate which operates at very high fluid pressures and volumes with little or no foam. TRIM C276WP is ideally suited to situations where high coolant velocities or volumes are necessary to achieve maximum productivity. TRIM C276WP has superior cooling, rust prevention and chip settling characteristics of a premium synthetic product combined with excellent compatibility with sensitive aluminium alloys.

## *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 C276WP:

- Very stable formula provides long operational life with consistent performance
- Extremely low foam in mineral free water
- Excellent compatibility with sensitive aluminium alloys
- Excellent tramp oil rejection
- Water clear dilution aids filterability, reduces carryoff and facilitates getting the fluid to the point of cut
- Protects machine and tool surfaces while also preventing sticky ways, chucks, tool holders and fixtures
- Easy recycling or disposal with conventional techniques and equipment

### C276WP especially for:

Applications — centerless grinding, cylindrical grinding, milling, surface grinding, turning

Metals — aluminium alloys, nickel alloys and steel alloys

Industries — aerospace, automotive and medical

C276WP is free of — chlorine, chlorine, DEA, formaldehyde releasers, nitrites, phenolic compounds and sulphur

Master Fluid SOLUTIONS™

# TRIM® C276WP

## *Cutting and Grinding Fluid Concentrate*

## Application Guidelines

- Minimum concentration for ferrous alloy machining and grinding is 4%.
- Concentrations above 7% provide the best sump life.
- 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 77 92 85 - 13.

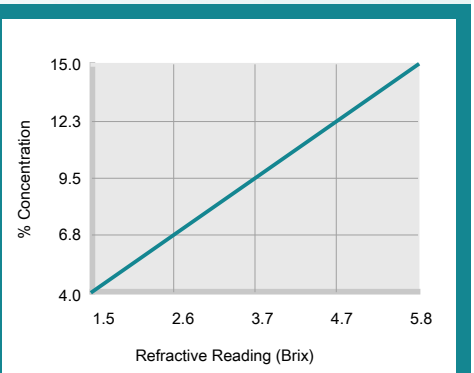
## Physical Properties Typical Data

| | |
|---|---|
| Colour (Concentrate) | Light yellow |
| Colour (Working Solution) | Colorless |
| Odour (Concentrate) | Mild Amine |
| Form (Concentrate) | Liquid |
| Flash Point (Concentrate) (ASTM D93-08) | > 100°C |
| pH (Concentrate as Range) | 9.0 - 9.5 |
| pH (Typical Operating as Range) | 8.3 - 8.7 |
| Coolant Refractometer Factor | 2.6 |
| Digital Titration Factor | 0.0245 |

## Recommended Metalworking Concentrations

| | |
|---|---|
| Light Duty | 4.0% - 7.0% |
| Moderate Duty | 7.0% - 9.0% |
| Heavy Duty | 9.0% - 15.0% |
| Design Concentration Range | 4.0% - 15.0% |

## Concentration by % Brix




% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 2.6

## Health and Safety

Request SDS

# TRIM® C276WP

## *Cutting and Grinding Fluid Concentrate*

## Mixing Instructions

- Recommended usage concentration in water: 4.0% - 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-litre pail

204-litre drum

1000-litre IBC



## 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 registered 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=eu_en_C276WP

Hasselsstraße 6-14
Düsseldorf, 40597
Germany
+49 211 77 92 85 - 0

info-eu@masterfluids.com

masterfluids.com/eu/en/