TRIM® TC 211

pH Adjuster/Emulsion Stabilizer

TRIM TC 211 is an amine-based pH adjuster used to replenish depleted alkalinity in metalworking fluid working solutions. It is especially effective in central systems and batch recycling systems.

Additives



The troubleshooters:

As cutting and grinding fluids can start to break down over time, tank-side additives can solve a number of problems. There are TRIM tank-side additives compatible with most coolants to extend tap and tool life, improve mechanical lubricity, control built-up edge, prevent stained parts, control foam, stabilize the emulsion, and replenish dye.

Whatever your problems and concerns, ask your TRIM specialist if a tank-side additive could be the answer.

Aerospace Approvals

Company	Specification
Raytheon Technologies/Collins Aerospace/Pratt & Whitney	PMC 9360

Choose TC 211:

- pH adjustment
- Emulsion stabilization
- Central systems
- Replenish depleted alkalinity

TC 211 especially for:

Applications — pH Adjuster and stabilizer

Health and Safety

Request SDS

Master Fluid SOLUTIONS®

TRIM® TC 211

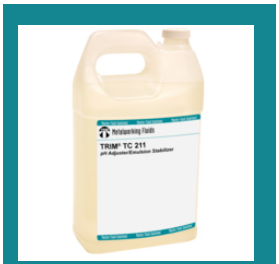
pH Adjuster/Emulsion Stabilizer

Application Guidelines

- Add rates in the 0.1%-0.3% (1,000 to 3,000 PPM) range are typically effective in raising the pH of used metalworking fluid working solutions to the 10.0-10.5 range.
- Overuse of this product may cause ammonia and/or amine blush; therefore, care should be taken not to exceed recommended add rates.
- As formulated, TC 211 does not contain MEA, DEA, TEA, Cu, or Boron.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

Physical Properties Typical Data

Color (Concentrate)	Colorless
Color (Working Solution)	Colorless
Odor (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 210°F
pH (Concentrate as Range)	13.0 - 13.5
V.O.C. Content (ASTM E1868-10)	833 g/l



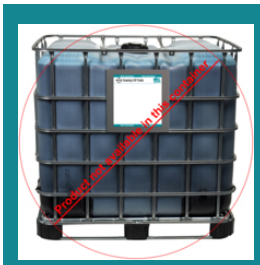
1-gallon jug
SKU: TC211-1G
UPC-12: 641238032281



5-gallon pail
SKU: TC211-5G
UPC-12: 641238010937



54-gallon drum
SKU: TC211-54G
UPC-12: 641238010944



270-gallon tote
SKU: TC211-270G
UPC-12: 641238040330

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 registered trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
- Master STAGES™ and Whamex™ are trademarks of Master Chemical Corporation d/b/a Master Fluid Solutions.
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https://2trim.us/di/?i=na_en-us_TC211

501 West Boundary Street
Perrysburg, OH 43551-1200
United States
+1 419-874-7902

info@masterfluids.com

masterfluids.com/na/en-us/

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