

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



TRIM[®] TC 211

pH Adjuster/Emulsion Stabilizer

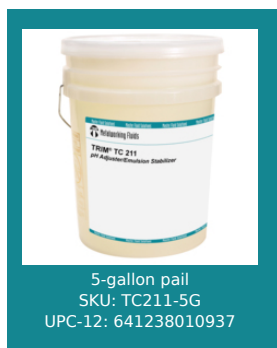
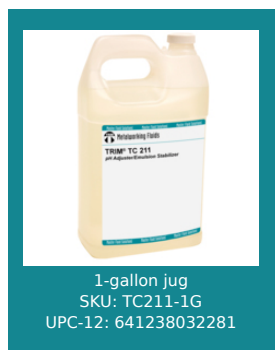
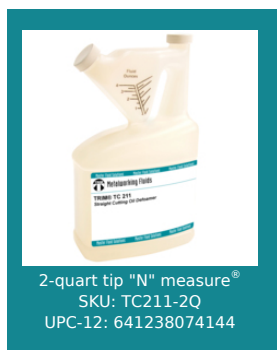


Application Guidelines

- 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



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.
- 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=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/](https://www.masterfluids.com/na/en-us/)