TRIM® TC 220

pH Adjuster

TRIM TC 220 is a triazine compound that is very effective in maintaining pH and building reserve alkalinity in metalworking fluid working solutions. Controlling pH within the design range of the product and maintaining an appropriate level of reserve alkalinity are key elements in extending sump life, controlling both liquid and vapor phase corrosion, and emulsion stability of soluble oils.

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
Lord Corporation	MTL-S-0136
Raytheon Technologies/Collins Aerospace/Pratt & Whitney	PMC 9348

Choose TC 220:

- pH adjustment
- Building reserve alkalinity
- Extending sump life
- Controlling both liquid and vapor phase corrosion

TC 220 especially for:

Applications — pH Adjuster

Health and Safety

Request SDS

Master Fluid SOLUTIONS®

TRIM® TC 220

pH Adjuster

Application Guidelines

- The normal add rate for TC 220 is 0.10% (1,000 ppm) or 1 gallon per 1,000 gallons of working solution. Do not use more than 0.25% (2,500 ppm) without consulting the Master Fluid Solutions laboratory.
- As with any product that will raise pH, the possibility of "ammonia blush" or "amine rush" exists. However, the frequency of occurrence with properly used TC 220 is very low.
- The addition of TC 220 will not substantially affect the refractive index of the metalworking fluid working solution. However, it will affect concentration control by alkaline titration.
- 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)	Amber
Odor (Concentrate)	Slight, amine-like
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D92-90)	> 225°F
pH (Concentrate as Range)	10.2 - 11.7



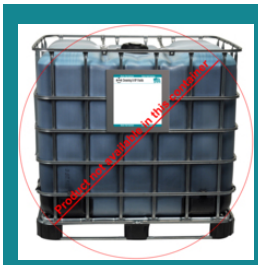
1-gallon jug
SKU: TC220-1G
UPC-12: 641238074328



5-gallon pail
SKU: TC220-5G
UPC-12: 641238011439



54-gallon drum
SKU: TC220-54G
UPC-12: 641238011446



270-gallon tote
SKU: TC220-270G
UPC-12: 641238033172

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.
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https://2trim.us/di/?i=na_en-us_TC220

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