



TRIM[®] C270

CHEMICAL COOLANT CONCENTRATE

GENERAL DESCRIPTION

TRIM[®] C270 is a chemical surface active or synthetic coolant concentrate designed to operate at very high fluid pressures and volumes with little or no foam. TRIM[®] C270 is ideally suited to situations where high coolant velocities or volumes are necessary to achieve maximum productivity. TRIM[®] C270 is designed to have the superior cooling and chip settling characteristics of premium synthetic product with the improved residues and mechanical lubricity of a high oil semi-synthetic coolant. This product utilizes an extremely effective and proprietary non chlorine, non sulphur extreme pressure additive for good tool life and improved surface finishes.

ADVANTAGES

- Good performance characteristics on steel and cast iron.
- Sufficient EP lubricity to do drilling, tapping, and reaming of most common ferrous and non ferrous materials with out the use of chlorine or sulphur based EP aditives.
- Compatible with a very wide range of materials including cast iron, steels, copper aluminium alloys as well as plastics and composites.
- Very low foam odor and mist.
- Good corrosion inhibitor on all ferrous and non ferrous materials.
- Keeps the machines clean whilst leaving a fluid residue.
- Exceptional sump life and superior tramp oil rejection.
- Can be recycled by conventional techniques.

APPLICATION GUIDELINES

- This product has superior cleaning so it may wash out dirt and residues when the machine is first charged.
- The minimum recommended concentration is 4% on steels and 5% on cast iron.
- Concentrations in excess of 7% give better tool life, sump life and corrosion protection.
- For additional application information, please contact Master Chemical Europe Ltd.

PHYSICAL PROPERTIES

Form	: Liquid	Flash Point	: >100°C
Colour	: Pale Yellow	Fire Point	: >100°C
Residue	: Viscous Fluid	pH of 5% Solution	: 9.2

RECOMMENDED CONCENTRATIONS

Light Duty Machining & Grinding	5 - 7%
Moderate Duty Machining	7-10%
Heavy Duty Machining and Grinding	10-15%

MIXING INSTRUCTIONS

- Using premixed coolant as makeup will substantially improve performance and reduce coolant concentration purchases. The specific makeup concentration selected for your situation should balance the water evaporation rate with the coolant carry out rate. Adding makeup coolant at 20 to 40% of the desired working concentration will maintain the proper concentration in the sump.
- The use of de-ionised or mineral free water to mix this product will improve sump life, reduce concentrate usage and carry off etc.

NOTES

- Before using this product on any metals and applications not specifically recommended, consult Master Chemical Europe. Misapplication may create the potential risks of product deterioration, possible adverse health effects and corrosion of work materials and the machine tool.
- This product should not be mixed with other metal working fluids or metal working fluid additives unless specifically directed by Master Chemical, as this may reduce overall performance of lead to adverse health effects and damage to machined parts and the machine tool. If inadvertent contamination should occur, please contact Master Chemical Europe Ltd for recommended action.