



Product Information Flyer

DESCRIPTION

CIMSTAR 50-588CU-2 is a semi-synthetic metalworking fluid.

APPLICATION

CIMSTAR 50-588CU-2 can be used on copper, copper alloy, carbon steels, malleable iron, carbon steels cast steel, high speed steel, high alloy steels, stainless steels, zinc alloy and most aluminum alloy.

For moderate to heavy-duty operations.

FEATURES & BENEFITS

CORROSION PROTECTION:

Extremely effective corrosion inhibitor package which prevent stain on most copper alloys and aluminum alloys. Also contains rust inhibitors which prevents in-process rust on machines and parts.

VERSATILE:

Designed to provide good lubrication in a variety of operations on a variety of materials. Easy to maintain and control. Waste treatable using standard fluid treatment procedures and systems.

MICROBIALCONTROL:

Provides effective protection against bacteria and mold if product concentration is properly maintained. Provides long life and minimizes the use of additives.

FOAM CONTROL:

Designed to be low foaming in soft and hard water.

RECOMMENDED STARTING DILUTIONS

CX 50-588CU-2 is to be mixed with water for use. Always add concentrate to water. Fluid may be more difficult to mix when water temperature is below 55F (13 C). Add no other materials to the concentrate or mix unless approved by your CIMCOOL® District Manager.

Grinding 5% - 10% (1:20 to 1:10)

Machining 5% - 10% (1:20 to 1:10)

CONCENTRATION

Non-solvent Titration, Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is 1.1

Multiply the scale reading obtained on your CIMCOOL® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration of a fresh charge.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance and Odor: Clear/Chemical

Solubility in water: 100% miscible

Density, 60°F (15.6 °C): 0.96

pH Mix 5%, Typical Operating: 8.4

HANDLING and STORAGE

If frozen, product separates. Thaw completely at room temperature and stir thoroughly before use. Inside storage is recommended.

SAFETY DATA SHEET

For additional information refer to its OSHA MSDS, website or contact your local CIMCOOL TECHNICAL SPECIALIST OR DISTRICT MANAGER, or you may contact CIMCOOL® Technical Services at +86-21-58486100.

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