

CIMCOOL®

METALWORKING FLUIDS

CIMSTAR® 3733

SEMISYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS	<p>CIMSTAR® 3733 is recommended for general-purpose machining and grinding of non-ferrous metals where chlorinated EP additives are not permitted. It is well suited for one-product applications, where multiple metal types, including ferrous metals, are worked on non-dedicated machines.</p> <p>Metals: Aluminum, Titanium, Copper, Brass, Bronze, and other exotic alloys, as well as ferrous metals</p> <p>Duty Range: For moderate-duty operations</p>
FEATURES & BENEFITS	<p>CIMSTAR® 3733 uniquely blends the newest technological advances of modern semisynthetic fluids to deliver superior performance in general operations on non-ferrous metals.</p> <p>EXCELLENT NON-FERROUS CORROSION CONTROL - Compatible with many titanium alloys and other exotic alloy metals - Non-staining on copper, brass and bronze alloys - Is an ideal product for use with 6000 and 7000 series aluminum - Specialized non-ferrous corrosion inhibitors are extremely effective in eliminating part-staining problems and preventing corrosion of machined parts - Designed to eliminate bi-metallic corrosion that can lead to part rejections</p> <p>EXCELLENT BACTERIA AND MOLD CONTROL - Ensures long fluid life, minimizes the use of additives in central systems</p> <p>ENVIRONMENTALLY-FRIENDLY - Is easy to maintain and control. It is waste treatable using standard fluid treatment procedures and systems. It can also be recycled for reuse using appropriate metalworking fluid recycling equipment.</p>

<p>RECOMMENDED STARTING DILUTIONS</p>	<p>FOR INDUSTRIAL USE ONLY Use between 5.0% (1:20) and 10.0% (1:10) for machining and grinding ferrous and nonferrous metals.</p> <p>CIMSTAR® 3733 is to be mixed with water for use (add concentrate to water).</p> <p>Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services. Not recommended for use with magnesium or alloyed magnesium.</p> <p>For concentration analysis, use the MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.</p>
<p>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</p>	<p>Physical state: Liquid Appearance and odor: Clear, chemical Colors available: Undyed, pink Solubility in water: 100% Miscible Weight, lb/gal, 60°F (15.6°C): 8.66 Specific gravity, (H₂O = 1): 1.038 Boiling point, °F (°C): 212 (100) Flash point, COC, °F (°C): None, self extinguishing Fire point, COC, °F (°C): NA Extinguishing media: NA Unusual fire & explosion hazards: None Freezing point (or pour point), °F, (°C): 26 (-3) If frozen, product separates. Thaw completely at room temperature and stir thoroughly. pH, concentrate: 9.2 pH, 5.0% mix, typical operating conditions: 8.9 Total chlorine/chloride, wt%, calculated: 0.00/< 50 ppm Total sulfur, wt%, calculated: 0.00 Silicones: None</p>
<p>PACKAGING</p>	<p>Available in 5-gallon pails, 55-gallon drums, and bulk containers.</p>
<p>REFRACTOMETER FACTOR = 2.2 Multiply the scale reading obtained on your CIMCOOL® Metalworking Fluid or other acceptable refractometer by the Refractometer Factor to obtain the mix concentration in percent.</p> <p>NOTE: Calibrate the refractometer so that it reads 0.0 with water, before testing the sample mix. Remove gross contaminants from the sample mix, before testing.</p>	
<p>For additional information concerning CIMSTAR® 3733, refer to its OSHA MSDS or contact CIMCOOL® Technical Services at 1-513-458-8199.</p> <p>Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet. Consumable Products Division/ Milacron Marketing Company Cincinnati, Ohio 45209</p>	

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