**CIMSTAR® 3700IH**

**SEMISYNTHETIC, METALWORKING FLUID CONCENTRATE**

### APPLICATIONS

| CIMSTAR® 3700IH | 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. |
| Metals: Aluminum, Titanium and other exotic alloys, as well as ferrous metals |
| Duty Range: For moderate-duty operations |

### FEATURES & BENEFITS

|  | CIMSTAR® 3700IH uniquely blends the newest technological advances of modern semisynthetic fluids to deliver superior performance in general operations on non-ferrous metals. |
|  | **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 |
|  | **EXCELLENT BACTERIA AND MOLD CONTROL** - Ensures long fluid life, minimizes the use of additives in central systems |
|  | **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. |
## RECOMMENDED STARTING DILUTIONS

**FOR INDUSTRIAL USE ONLY**  
Recommended Starting Dilution: 5% (1:20)  
Typical Operating Range: 5% (1:20) to 10% (1:10)  
For concentrations outside this range contact CIMCOOL® Technical Service at 513-458-8199.

CIMSTAR® 3700IH is to be mixed with water for use (add concentrate to water).

Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services. Not recommended for use with magnesium or alloyed magnesium.

**For concentration analysis, use** the MI Titration Procedure, Non-Solvent Titration Procedure, Total Alkalinity Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** Liquid  
- **Appearance and odor:** Hazy / Chemical  
- **Colors available:** Undyed  
- **Solubility in water:** 100% Miscible  
- **Weight, lb/gal, 60°F (15.6°C):** 8.5  
- **Specific gravity, (H₂O = 1):** 1.02  
- **Boiling point, °F (°C):** 212 (100)  
- **Flash point, COC, °F (°C):** None, Self Extinguishing  
- **Fire point, COC, °F (°C):** None, Self Extinguishing  
- **Freezing point, °F, (°C):** 14 (-10)  
  If frozen, thaw completely at room temperature.  
- **pH, concentrate:** 9.4  
- **pH, 5.0% mix, typical operating conditions:** 8.8  
- **Total chlorine/chloride, wt%, calculated:** 0.00  
- **Total sulfur, wt%, calculated:** 0.04  
- **Silicones:** Yes

## PACKAGING

Available in 5-gallon pails, 55-gallon drums, and bulk containers.

**REFRACTOMETER FACTOR = 1.5** 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.

**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.

For additional information concerning CIMSTAR® 3700IH, refer to its OSHA MSDS or contact CIMCOOL® Technical Services at 1-513-458-8199. Reprints/Updates of this Product Information Flyer (PIF) can be found on our web site, [WWW.CIMCOOL.COM](http://WWW.CIMCOOL.COM) or from your Milacron representative.

---

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

PC-9819   6/4/07