

# CIMCOOL<sup>®</sup>

## METALWORKING FLUIDS

### Cleaning Agent MD

METALWORKING FLUID ADDITIVE

<b>DESCRIPTION</b>	<p><b>Cleaning Agent MD</b> is a nonsilicone liquid additive that improves foam control and residue characteristics. For use in CIMCOOL<sup>®</sup> water-based cutting, grinding, and drawing fluids.</p>
<b>WHEN TO USE</b>	<p>Add to CIMCOOL<sup>®</sup> water-based cutting, grinding or drawing fluid mixes under the direction of CIMCOOL<sup>®</sup> Technical Services when foam or residue is an issue.</p> <p>In some solution-type fluids, Cleaning Agent MD may control foam for longer periods of time than silicone-type antifoams.</p> <p>Helps dissolve residue on machine tools and drawing dies</p>
<b>HOW TO USE</b>	<p>Pour Cleaning Agent MD directly on into the "Clean" side of a central filtration system where contamination is lowest for maximum effectiveness.</p> <p>When applying Cleaning Agent MD to drawing dies, wipe on with a rag or sponge or spray dies using a spray bottle.</p>
<b>HOW MUCH TO USE</b>	<p>Recommended dilution for cutting and grinding fluids are 1:2,000 (0.05%) to 1:500 (0.2%).</p>

<b>RECOMMENDED STARTING DILUTIONS</b>	<p><b>FOR INDUSTRIAL USE ONLY</b>  <b>Use between 1:2,000 (0.05%) and 1:500 (0.2%) as an additive.</b></p> <p><b>Cleaning Agent MD</b> is to be added to CIMCOOL<sup>®</sup> metalworking fluid mixes as described above.</p>
<b>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</b>	<p><b>Physical state:</b> Liquid  <b>Appearance and odor:</b> Clear, slight chemical  <b>Colors available:</b> Undyed  <b>Solubility in water:</b> Insoluble  <b>Weight, lb/gal, 60°F (15.6°C):</b> 7.48  <b>Specific gravity, (H<sub>2</sub>O = 1):</b> 0.896  <b>Boiling point, °F (°C):</b> 210 (99)  <b>Flash point, COC, °F (°C):</b> 360 (182)  <b>Fire point, COC, °F (°C):</b> 410 (210)  <b>Extinguishing media:</b> Chemical foam, carbon dioxide, water fog, dry chemical  <b>Unusual fire &amp; explosion hazards:</b> None  <b>Freezing point (or pour point), °F, (°C):</b> 38 (3)          If frozen, product separates. Thaw completely at room temperature and stir thoroughly.  <b>pH, concentrate:</b> NA  <b>pH, NA mix, typical operating conditions:</b> NA  <b>Total chlorine/chloride, wt%, calculated:</b> 0.00/0.00  <b>Total sulfur, wt%, calculated:</b> 0.00  <b>Silicones:</b> None</p>
<b>PACKAGING</b>	<b>Available in 5-gallon pails and 55-gallon drums.</b>
<p>For additional information concerning Cleaning Agent MD, refer to its OSHA MSDS or contact CIMCOOL<sup>®</sup> 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> <p>PC-773 1/10/02</p>	