



# CoolPAK™ S5406

## Heavy-duty Semisynthetic

CoolPAK™ S5406 is optimized for high-volume production environments. This semisynthetic is great for cooling and mechanical lubricity.

### Application Guidelines

- Running at or above 7.5% offers the best sump life and corrosion inhibition
- For additional product application information including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at [2trim.us/distributors.php](http://2trim.us/distributors.php), your District Sales Manager, or call our Tech Line at 1-800-537-3365

### Physical Properties Typical Data

Color (Concentrate)	Amber
Color (Working Solution)	Light amber
Odor (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate)	> 199°F (ASTM D93-08)
pH (Concentrate as Range)	10.0 - 10.5
pH (Typical Operating as Range)	9.4 - 10.0
Coolant Refractometer Factor	1.3
Titration Factor (CGF-1 Titration Kit)	0.75
V.O.C. Content (EPA Method 24)	167 lb/g

### CoolPAK S5406

- Exceptional sump life
- Reduces oil mist and residues
- Contains no nitrites, triazines, phenols, or sulfurized EP additives
- Provides corrosion inhibition on all ferrous and nonferrous metals
- Stable in hard-water environments
- Compatible with aluminum, copper alloys, cast iron, steels, stainless steels, and many plastics and composites
- Runs clean
- Requires no special disposal or recycling techniques

### Health and Safety

See the most recent SDS at:  
[2trim.us/s/?i=2590-en-US-US](http://2trim.us/s/?i=2590-en-US-US)



### Packaging

5-gallon pail  
SKU: CPS5406/5  
UPC-12: 641238075844

54-gallon drum  
SKU: CPS5406/54  
UPC-12: 641238075837

270-gallon tote  
SKU: CPS5406/NR270P  
UPC-12: 641238075820



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### Recommended Concentrations

Light duty	4.0% - 6.5%
Moderate duty	6.5% - 8.5%
Heavy duty	8.5% - 10.0%
Design Concentration Range	4.0% - 10.0%

### Mixing Instructions

- Recommended usage concentration in water: 4.0% - 10.0%
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.
- Use mineral-free water to improve sump life and corrosion inhibition while reducing carryoff and concentrate usage.

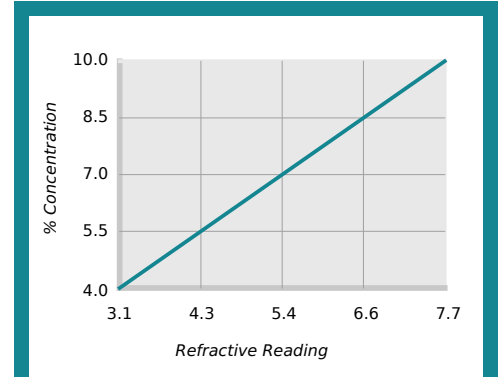
### Additional Information

- Use Master STAGES™ Whamex XT™ for a quick and thorough precleaning of your machine tool and coolant system.
- Before using on any metals or applications not specifically recommended, consult Master Fluid Solutions.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.

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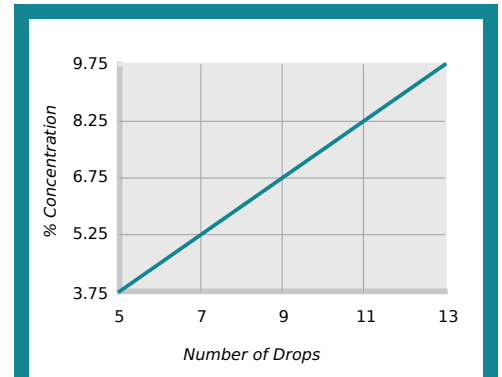
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### Concentration by % Brix



$\% \text{ Concentration} = \text{Refractive Reading} \times \text{Refractive Factor}$   
Coolant Refractometer Factor % Brix = 1.3

### Concentration by Titration



$\% \text{ Concentration} = \text{No. of Drops} \times \text{Titration Factor}$   
Titration Factor = 0.75

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**Master Fluid Solutions™**  
—Cutting Edge Metalworking Solutions™