



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 <https://www.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 (ASTM E1868-10)	167 g/l

Choose CoolPAK S5406:

- Very good 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
- Uses standard metalworking recycling and disposal techniques

Health and Safety

See the most recent SDS at:
[2trim.us/s/?i=2590-0-en-US-US](https://www.2trim.us/s/?i=2590-0-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.

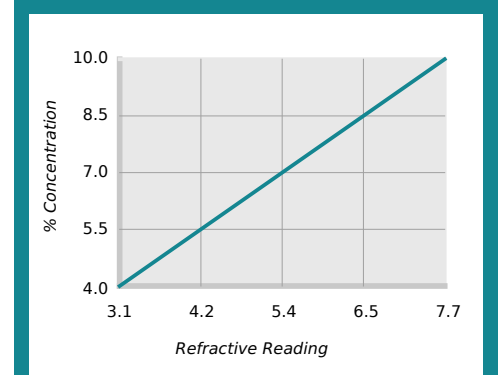
Additional Information

- Use Master STAGES™ Whamex XT™ for a quick and thorough precleaning of your machine tool and coolant system.
- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- 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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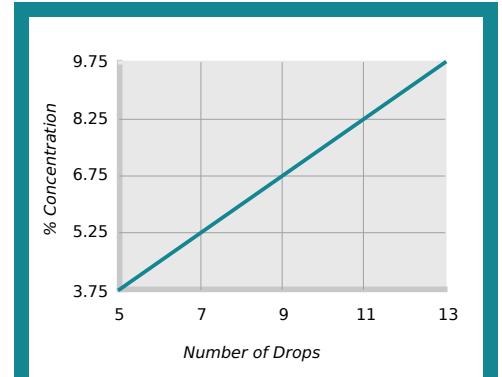
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Concentration by % Brix



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

Concentration by Titration



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

Master Fluid Solutions
501 West Boundary Street
Perrysburg, OH 43551-1200
USA

+1 419-874-7902
info@masterchemical.com
masterfluidsolutions.com/na/en-us/

