



CoolPAK™ S4941

Hardworking Semisynthetic

CoolPAK™ S4941 is a hardworking semisynthetic coolant using special ester lubricants. Provides excellent surface finish quality. Controls dimensional stability of parts and is easy to clean. CoolPAK™ S4941 is optimized for machining aluminum alloy and cast iron.

Application Guidelines

- In mixed metal situations, running at or above 7.5% is critical to fight galvanic corrosion.
- Running at or above 7.5% offers the best sump life and corrosion inhibition on cast iron chips.
- 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 +86 400-801-3590.

Physical Properties Typical Data

Color (Concentrate)	Light yellow to amber
Color (Working Solution)	White emulsion
Odor (Concentrate)	Mild
Form (Concentrate)	Liquid
Flash Point (Concentrate)	> 99°C (ASTM D93-08)
pH (Concentrate as Range)	9.6 - 10.6
pH (Typical Operating as Range)	9.0 - 10.1
Coolant Refractometer Factor	1.4

Choose CoolPAK S4941:

- Utilizes exclusive ester lubricant technology
- Compatible with a very wide range of materials including aluminum alloys, cast iron, steels, and stainless steel
- Low foaming in most operations
- Low coolant consumption reduces costs
- No triazine
- Does not require special disposal or recycling

Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions.

Packaging

20-liter pail

204-liter drum

1000-liter tote



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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.

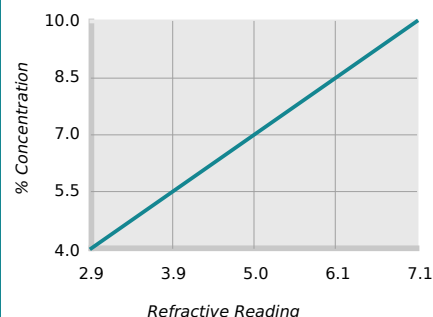
Additional Information

- 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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Concentration by % Brix



% Concentration = Refractive Reading x Refractive Factor
Coolant Refractometer Factor % Brix = 1.4

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