



CoolPAK™ E7142

Universal Emulsion

CoolPAK™ E7142 is a universal emulsion compatible with a wide range of materials in a broad application of machining and grinding operations. It is a good choice for high-quality, consistent parts manufacturing and requires minimal maintenance.

Application Guidelines

- Concentrations between 7 - 10% offers the best sump life and corrosion inhibition
- Use lower concentrations for operations requiring more cooling
- Use higher concentrations for lower speed metal cutting operations where maximum lubricity is required
- For additional product application information, including performance optimisation, please contact your Master Fluid Solutions' Authorised Distributor at <https://www.2trim.us/distributors.php>, your District Sales Manager, or call our Tech Line at +49 211 77 92 85 - 13.

Physical Properties Typical Data

Colour (Concentrate)	Amber
Colour (Working Solution)	Light amber
Odour (Concentrate)	Mild amine
Form (Concentrate)	Liquid
Flash Point (Concentrate)	> 160°C (ASTM D93-08)
pH (Concentrate as Range)	9.0 - 10.0
pH (Typical Operating as Range)	8.7 - 9.7
Coolant Refractometer Factor	1.0

Choose CoolPAK E7142:

- Low carryoff
- Stable formula
- Very long sump life
- Hard water tolerant
- Controls built-up edge (BUE)
- Provides good corrosion prevention
- Does not require special disposal or recycling
- free of formaldehyde, chlorine, sulphur and phenol
- Machines aluminium alloys, steel alloys, nickel alloys, cast iron and yellow metals

Health and Safety

For further information, see the most recent SDS which is available directly from Master Fluid Solutions or from your Master Fluid Solutions' Authorised Distributor.

Packaging

1000-litre IBC
SKU: CPE7142/1000L



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Recommended Concentrations

Light duty	5.0% - 6.5%
Moderate duty	6.5% - 8.5%
Heavy duty	8.5% - 10.0%
Design Concentration Range	5.0% - 10.0%

Mixing Instructions

- Recommended usage concentration in water: 5.0% - 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.

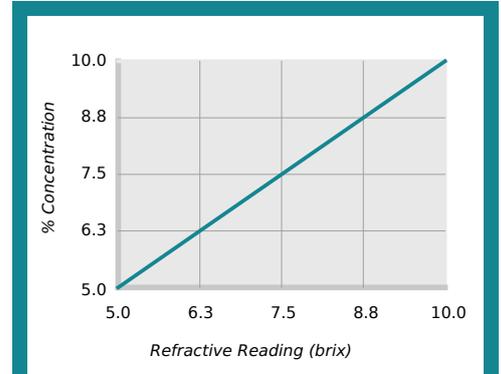
Additional Information

- Use Master STAGES™ Whamex™ 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



$\% \text{ Concentration} = \text{Refractive Reading} \times \text{Refractive Factor}$
Coolant Refractometer Factor % Brix = 1.0

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