

Synthetic Water Miscible Cutting Fluids

Product	Description	Appearance	EP Additives	Polar Additives	Materials						Applications					
					Cast Irons	Steel	Stainless Steels	High temp Alloys	Aluminum & Zinc Alloys	Other Non Ferrous	ID/OD Turning	Milling/Drilling	Reaming, Tapping	Heavy Duty Machining	Grinding	
MEC506	Economical synthetic formulation that forms a stable emulsion, delivering effective rust inhibition and dependable sump life.	Transparent	X	X	****	**	*	*				5% - 7%	5% - 7%			3% - 5%
MEC510	High-performance synthetic formulation that forms a stable emulsion, providing effective rust inhibition, excellent tool performance, clean machines, and extended sump life.	Transparent	✓		****	****	****	****	**	**		5% - 7%	5% - 7%	8% - 12%	8% - 12%	3% - 5%
MEC515	Synthetic formulation with EP additives, forming a stable emulsion for superior tool performance, clean machines, and prolonged sump life.	Transparent	✓	✓		**	***	***	***	***		5% - 7%	5% - 7%	8% - 12%	8% - 12%	3% - 5%
MEC520	Universal synthetic formulation with excellent lubricity, suitable for machining aluminium components. Also effective as a replacement for neat oils in selected superfinishing applications such as honing.	Transparent	✓	✓✓		**	***	***	****	****		5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%
MEC530	Specialized synthetic formulation for stain-free machining of sensitive aluminium and aluminium alloy components.	Transparent	✓	✓✓			**	***	****	****		5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%

****	Highly Suited	***	Best Suited		Highly Recommended
**	Moderately Suited	*	Can be used		can be used