

Magnacool Semi-Synthetic Water Miscible Cutting Fluids

Product	Description	Appearance	EP Additives	Polar Additives	Materials						Applications				
					Cast Irons	Steel	Stainless Steels	High Temperature Aluminum & Zinc	Other Non Ferrous	ID/OD Turning	Milling/Drilling	Reaming, Tapping	Heavy Duty Machining	Grinding	
MEC220	A low-oil, economical, semi-synthetic formulation that provides a stable emulsion, offering good rust inhibition and long sump life.	Translucent	X	X	****	***	**	*			5% - 7%	5% - 7%			3% - 5%
MEC110	A low-oil, semi-synthetic formulation that provides a stable emulsion, effective rust inhibition, clean machines, and long sump life	Translucent	X	X	****	***	**	*			5% - 7%	5% - 7%			3% - 5%
MEC10	A low-oil, semi-synthetic formulation with EP additives that provides a stable emulsion, ensuring good tool performance, clean machines, and extended sump life.	Translucent	✓	✓	****	***	***	***	*		5% - 7%	5% - 7%			3% - 5%
MEC20B	A universal, chlorine-free micro-emulsion that provides excellent cleanliness and effective tramp oil rejection. Suitable for both machining and grinding of all materials	Translucent	X	✓✓	****	****	***	***	**	**	5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%
MEC130	A chlorine-free micro-emulsion that provides excellent cleanliness and tramp oil rejection. Suitable for both machining and grinding of all materials.	Translucent	X	✓	****	****	**	**			5% - 7%	5% - 7%			3% - 5%
MEC130S	A product variant of MEC130 with improved tool performance and exceptional rust protection for ferrous materials.	Translucent	✓	✓	****	****	***	***			5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%

MEC30	An emulsifiable oil concentrate with specially formulated anti-weld and anti-wear compounds for use on ferrous and non-ferrous metals, especially aluminum alloys.	Translucent	✓	✓	***	****	****	****	***	5% - 7%	5% - 7%	7% - 10%	10% - 15%	3% - 5%
MEC310	A product variant of MEC30 with additional deactivators to inhibit rust and staining on cast aluminum and zinc alloys.	Translucent	✓	✓	**	**	***	***	***	5% - 7%	5% - 7%	7% - 10%	10% - 15%	3% - 5%
MEC190	Product designed for severe metal removal, particularly drilling, cut tapping, and thread rolling. It is also an excellent choice for machining cast aluminium alloys and aerospace materials.	Translucent	✓✓	✓✓	**	***	****	****	***	5% - 7%	5% - 7%	8% - 10%	8% - 15%	3% - 5%
MEC640	A high oil content, specialized product for machining aluminum with good tool performance. Suitable for guide pad reaming and small-size thread forming.	Milky	X	✓✓				****	****	5% - 7%	5% - 7%	7% - 10%	10% - 15%	3% - 5%
MEC240	A high oil content universal product that combines the advantages of soluble oil and semi-synthetic products.	Milky	X	✓✓	**	**	***	***	***	4% - 6%	5% - 8%	8% - 12%		4% - 6%
MEC250	A mild, high oil content, low-foaming, economical product that provides good rust inhibition when machining ferrous parts.	Milky	✓	X	***	***	***	**	**	4% - 6%	5% - 8%	8% - 12%		4% - 6%
MEC260	A high oil content, low-foaming product with exceptional rust inhibition, suitable for machining and grinding rust-prone ferrous materials	Milky	X	X	*	***	***	***	***	4% - 6%	5% - 8%	8% - 12%		4% - 6%
					****	Highly Suited			***	Best Suited		Highly Recommended		
					**	Moderately Suited			*	Can be used		can be used		