

Semi-Synthetic Water-Miscible Metalworking 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
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 ensures excellent cleanliness and effective tramp oil rejection. Suitable for both machining and grinding of all material types.	Translucent	X	✓✓	****	****	***	***	**	**	5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%
MEC130	This chlorine-free micro-emulsion offers superior cleanliness and efficient tramp oil rejection, making it ideal for machining and grinding across all material types	Translucent	X	✓	****	****	**	**			5% - 7%	5% - 7%			3% - 5%
MEC130S	A variant of MEC130, offering enhanced tool performance and exceptional rust protection for ferrous materials	Translucent	✓	✓	****	****	***	***			5% - 7%	5% - 7%	8% - 12%	10% - 12%	3% - 5%
MEC160K	A product specifically designed to deliver the stain resistance and lubricity required for machining cast aluminium components.	Milky	✓	✓	**	***	***	***	****	***	5% - 7%	5% - 7%	8% - 10%	8% - 15%	5% - 7%
MEC30	An emulsifiable oil concentrate formulated with specialized anti-weld and anti-wear additives, suitable for use on both 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, enhanced with additional deactivators to prevent rust and staining on cast aluminum and zinc alloys	Translucent	✓	✓	**	**	***	***	***	***	5% - 7%	5% - 7%	7% - 10%	10% - 15%	3% - 5%
MEC190	A product designed for severe metal removal operations, 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%	5% - 7%
MEC240	A high-oil-content universal product that combines the benefits of both soluble oils and semi-synthetic fluids.	Milky	X	✓✓	**	**	***	***	***	***	6% - 8%	5% - 8%	8% - 12%		5% - 7%
MEC250	A mild, high-oil-content, low-foaming, and economical product that offers effective rust inhibition during the machining of ferrous parts.	Milky	✓	X	***	***	***	**	**		5% - 7%	5% - 8%	8% - 12%		5% - 7%
MEC260	A high-oil-content, low-foaming product with exceptional rust inhibition, ideal for machining and grinding rust-prone ferrous materials.	Milky	X	X	*	***	***	***	*		5% - 7%	5% - 8%	8% - 12%		5% - 7%
MEC930	A high-oil-content product designed for machining aluminum with excellent tool performance. Ideal for guide pad reaming and small-diameter thread forming.	Milky	X	✓✓					****	****	5% - 7%	5% - 7%	7% - 10%	10% - 15%	5% - 7%
					****	Highly Suited		***	Best Suited		Highly Recommended				
					**	Moderately Suited		*	Can be used		can be used				