

Henkel's metalworking lubricants, neutral cleaners, and corrosion preventative products are designed to produce quality parts and reduce overall manufacturing costs. We have an extensive portfolio of products, including a line of coolants that resist biological activity

resulting in a preferred work environment. In addition to typical ferrous and aluminum substrates, they are suitable for use on brass, copper and other exotic metals, and will work in light to heavy applications.



METAL REMOVAL

Henkel's line of high quality metal removal products for cutting and grinding are available in a variety of chemistries including synthetics, semi-synthetics, soluble oils or straight oils.

Synthetic

Multan® 9103™ – Water soluble oil-rejecting synthetic fluid with multiple uses in today's manufacturing environment. Use on ferrous alloys only.

Multan® 3015™ – A synthetic lubricant suitable for ferrous alloys in light machining operations. Multan® 3015™ is exceptional as a roll-forming lubricant in tube mills.

Multan® 5500™ – A synthetic metal removal fluid with excellent biological control. It is used on steel, cast iron and aluminum alloy operations.

Multan® 3105™ – An oil-rejecting, synthetic fluid designed for machining, grinding and roll-forming ferrous and non-ferrous alloys. It is also suitable for use on brass, copper and other exotic metals.

Semi-Synthetic

Multan® B-204™ – Its combination of lubricity additives and cooling ability allow it to work in light to moderate applications. This bio-resistant product has been designed for applications where lubricity, cooling and finish are critical. It is ideal for applications where RO/DI water is used.

Multan® B-400™ – This bio-resistant product can be used from automotive to aerospace applications. Its wide applicability makes it suitable for use on brass, copper and other exotic metals.

Soluble Oil

Multan® 5600D™ – An all-purpose soluble oil designed for machining and grinding ferrous and aluminum alloys. Its high oil content provides excellent lubricity for various types of difficult operations.

Multan® 2140™ – A non-sulfonate soluble oil that has minimal impact in the presence of bioactivity.

Multan® 5005M™ – A heavy duty soluble oil used in metal removal applications. Its high level of extreme pressure additives make this product suitable for heavy machining operations including broaching. This product is fine for both ferrous and non-ferrous applications.

Straight Oil

Multan® CR 67™ – Tool grinding oil for light machining applications.

Multan® CR 10™ – Its moderate viscosity and additive package make Multan® CR 10™ useful in general machining applications such as hobbing, milling or shaping. Applications for using this product range from steel gear machining to cutting tool manufacturing.

Multan® CR 20™ – Tool grinding oil for light to moderate machining applications.

Multan® CR 67IC™ – Low viscosity, chlorinated, tool grinding oil.

Multan® CR 26™ – Its unique composition of corrosion inhibitors, Extreme Pressure (EP) additives, anti-mist agents, and lubricity additives provide a durable product for today's moderate broaching operation.

Metalworking Maintenance Cleaner

P3® Multan® S™ – A system cleaner designed to emulsify tramp oils and other contaminants in coolant systems. The product circulates with the coolant, while production continues to operate, and cleans the machine.



IDH NUMBER (DRUM)	CONCENTRATE COLOR	RUST FREE CONC. (%) - CAST IRON	VISCOSITY - H ₂ O SOLUBLES (cP), OILS (SUS @ 100°F)	OIL CONTENT RANGE (%)	TYPICAL CONCENTRATION	EP ADDITIVES			SUBSTRATE COMPATIBILITY												
						PHOSPHORUS	SULFUR	CHLORINE	STEEL	CAST IRON	ALUMINUM**	YELLOW (COPPER / BRASS)**									
SYNTHETIC																					
Multan® 9103™	593832	Blue	3	35	0	5% - 10%				A	b	A	b								
Multan® 3015™	594286	Yellow	4	23	0	5% - 10%				a	b	a	b								
Multan® 5500™	597726	Amber	3	35	0	5% - 10%	X			a	B	c	a	B	c						
Multan® 3105™	598807	Pale Amber	4	70	0	5% - 10%				a	b	a	b	A	B	c	A	B	c		
SEMI-SYNTHETIC																					
Multan® B-204™	1052551	Amber	2	200	20-25	5% - 10%	X			A	B	c	A	B	c	A	b		A	b	
Multan® B-400™	677532	Amber	2	275	25-30	5% - 10%	X	X		a	B	C		b	C	a	B	C	a	B	C
SOLUBLE OIL																					
Multan® 5600D™	594510	Amber	N/A	170	85-90	5% - 10%				a	B	C	a	B	C		b	c		b	c
Multan® 2140™	593822	Amber	N/A	160	50-55	5% - 10%				a	B	C	a	B	C	a	B	C	a	B	c
Multan® 5005M™	598607	Amber	N/A	350	80-85	5% - 10%			X	a	B	C	a	B	C	a	B	c	a	B	C
STRAIGHT OIL																					
Multan® CR 67™	594463	Amber	N/A	75	90-95	100%	X			A	B		A	B		a	b		a	b	
Multan® CR 10™	593816	Amber	N/A	120	90-95	100%	X			A	B		A	B		a	b		a	b	
Multan® CR 20™	594248	Amber	N/A	220	90-95	100%	X			A	B		A	B		a	b		a	b	
Multan® CR 67IC™	595879	Amber	N/A	100	90-95	100%	X	X		A	B		A	B		a	b		a	b	
Multan® CR 26™	910511	Amber	N/A	220	75-80	100%	X	X		A	B	c	A	B	c	a	b		a	b	
METALWORKING MAINTENANCE CLEANER																					
P3® Multan® S™	596164					2% - 5%															

** Individual alloys should be tested prior to recommendation.

A - Highly Recommend for Grinding
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B - Highly Recommend for General Machining (Turning, Drilling, Milling, Reaming, Sawing, Cutting)
b - Recommend for General Machining (Turning, Drilling, Milling, Reaming, Sawing, Cutting)
C - Highly Recommend for Heavy Machining (Threading, Broaching, Deep Hole Drilling, Reaming)
c - Recommend for Heavy Machining (Threading, Broaching, Deep Hole Drilling, Reaming)