

LubriTec

Synthetic Lubricant Cross Reference Chart Series

Synthetic Metalworking Fluids

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
Acheson Colloids	see National Starch and Chemical below			
Advanced Lubes	Super Syn EP	9.5		Cutting & Grinding Ferrous and Non-Ferrous Metals
Allegheny Petroleum	Altra Syn	9.5		Cutting & Grinding Ferrous and Non-Ferrous Metals
	Altra Syn EP	9.3		Heavy Duty Cutting & Grinding For Most Metals
Anchor Chemical	Draw 4300			Drawing & Stamping for Ferrous and Non-Ferrous Metals
Angler Chemical	AccuCool S1975			Grinding of All Ferrous Metals
Apollo America	See Idemitsu Lubricants America below			
BASF	Plurasafe WIT & Plurasafe V series			Quenchants
Benz	Techni-Kool 100	9.0		Light Duty Ferrous Metalworking Applications
	Techni-Kool 200	8.9		Grinding and Machining of Ferrous Metal
	Techni-Kool 300	8.8		Grinding and Machining of Ferrous Metal
Blaser Swisslube	Blasocut Synergy 15			Machining & Grinding Hard Metals
Buckeye	12MN-TI			Grinding, Cast Iron, Steel, Brass, and Most Other Metals
	TLSG-25			Machining & Grinding Difficult Metals, Inconel, Hastalloy, Etc.
	TLSG-2C			Carbide Grinding
	SPREP-9B			Machining & Grinding Difficult Metals, Inconel, Hastalloy, Etc.
	1129 Titan Lube			Heavy Duty Drawing, Swaging, Threading, All Metals Incl. Titanium
Cargo (Sweden)	Callo Cool Gron	8.9		Heavy Machining of Iron, Stainless Steel, Cast Iron, Tool Steel
	Callo Cool Rod	9.0		Honing, Reaming of Brass, Aluminum, Magnesium
Castrol	Syntilo 22	1.06	9.8	Machining & Grinding of All Metals
	Syntilo 24	1.09	9.0	Grinding, incl. Segment Grinding Ferrous Metals, High Nickel & Titanium Alloys
	Syntilo 25	1.08	10.0	Creep Feed Grinding for Ferrous and Non-Ferrous Metals
	Syntilo 66 EF	1.07	8.3	All Machining Operations on Cast Iron, Carbon Steels, Alloy Steels, Al Alloys
	Syntilo 81 BF	1.12	9.2	General Purpose Grinding for Ferrous Metals
	Syntilo 81 E	1.13	9.1	General Purpose Grinding for Ferrous Metals
	Syntilo 1023	1.08	9.3	Cutting & Grinding Formulated for Use in Cast Iron Transfer Lines, Oil Dispersing
	Syntilo 2000	1.07	9.1	General Purpose Grinding, Honing, Med-Heavy Duty Machining of Ferrous Metals
	Syntilo 2109			
	Syntilo 9902	1.07	8.8	Grinding & Light Duty Machining of Ferrous Metals
	Syntilo 9904	1.05	9.4	Heavy Duty Cutting & Grinding for Ferrous Metals, Oil Rejecting
	Syntilo 9904B		9.0	
	Syntilo 9913	1.07	7.4	Cutting & Grinding , Aerospace Aluminum, oil rejecting
	Syntilo 9918	1.07	7.6	Cutting & Grinding for Ferrous and Non-Ferrous Metals, Oil Rejecting
	Syntilo 9926	1.07	9.0	Cutting & Grinding of Ferrous Metals, Oil Rejecting
	Syntilo 9930	1.07	9.2	Heavy Duty Cutting & Grinding for Ferrous Alloys, Oil Rejecting
	Syntilo 9930-C	1.07	9.2	Heavy Duty Cutting & Grinding for ferrous alloys, Oil Rejecting

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>	
Castrol (cont')	Syntilo 9930 BF	1.06	8.6	General Purpose Grinding, Light-Med Duty Machining of Ferrous Metals	
	Syntilo 9951	1.06	8.8	Machining & Grinding of Ferrous Metals, stainless, alloys, Oil Rejecting	
	Syntilo 9951C		8.8		
	Syntilo 9954	1.07	8.4	Most Difficult Cutting & Grinding of Ferrous Metals, Oil Rejecting	
	Syntilo 9974	1.06	9.4	Cutting & Grinding for Ferrous Metals, High Lubricity, Oil Rejecting	
	Syntilo 9974 BF	1.05	9.2	Grinding & Heavy Duty Machining of Ferrous Metals	
	Syntilo AL 10	1.01	9.3	Light-Moderate Cutting & Grinding of Aluminum Alloys, Micro Emulsion	
	Syntilo AL 20	1.00	9.5	Moderate-Severe Cutting & Grinding of Aluminum Alloys, Micro Emulsion	
	Syntilo AL 30	0.93	9.4	Difficult Cutting & Grinding of Aluminum Alloys, Micro Emulsion	
	Syntilo AL 40	0.98	9.4	Most Difficult Cutting & Grinding of Aluminum Alloys, Micro Emulsion	
Chem and Lube	Syntilo XPS	1.08	8.7	Heavy Duty Machining, Stainless & Heat Resistant Alloys, Meets Ford Specs	
	BioKool 5170 SP			Grinding & Light Duty Machining, Ferrous & Yellow Metals & Al	
Chem Arrow	Arrow 69			Hot Forging & Forming of Steel and Other Ferrous Metals	
	Arrow 2261			Fin Stamping for Moderate/High Collar Fins, Low Viscosity	
	Arrow 9390			Pierce Punching	
Chemetall Oakite	Formula L			Light-Medium Duty Grinding Fluid for Ferrous Metals & Copper or Brass Alloys	
	Gardocool C9115			Grinding & Light-Medium Duty Machining for Ferrous Metals, EP	
	Controlant 127S			Broad Range of Grinding & Machining on Ferrous Metals & Aluminum	
	Sabrelube 9016			Grinding & Cutting	
	Controlant 180 S			Light-Medium Duty Machining of Ferrous & Non-Ferrous Metals incl. Aluminum	
Chemtool	Lubricut 4220			Grinding & Light Duty Machining of Ferrous Metals	
	Lubricut 4250			Med-Heavy Duty Cutting & Grinding of Ferrous Metals	
	Lubricut 4275			Heavy Duty Machining of Ferrous & Non-Ferrous Metals	
	CT 650-BC			Grinding of Ferrous Metals	
	CT 500-LC			DEA Free Machining of Aluminum	
CIMCOOL	see Milacron below				
CITGO	CITCOOL 22	1.05	8.4 (conc)	Heavy Duty Machining of Al, Mg, Yellow Metals	
	CITCOOL 33	1.07	9.5 (conc)	Heavy Duty Machining Titanium, Stainless Steel	
CLC Lubricants	Grindz-All			Multi-use	
	Coolant 2224 EP			General Purpose Grinding and Machining	
	Coolant 2224 Plus			General Purpose Grinding and Machining	
	Coolant 2228			General Purpose Grinding and Machining	
	Coolant 2449			High Lubricity for All Metals	
	Carb "O" Grind 453			Carbide Grinding	
	Carb "O" Grind 653			Carbide Grinding	
	CHEM Finish SYN 52			Carbide Grinding	
	CHEM Finish HO 31 LO			Honing	
	CHEM Finish EDM 3001			Electrical Discharge Machining	
	CLC Draw 8525			Stamping & Forming	
	CLC Draw PX-2500			Stamping & Forming	
	Cognis	Synative ES series			Synthetic Basestock for Metalworking Fluids
	ConocoPhillips	Synkool HD	1.05	9.0	Medium-Heavy Duty Machining/Grinding of Ferrous Metals, & Light Duty Machining of Aluminum and Copper Alloys, 0.07% Chl

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
CPC (Taiwan)	Fully Synthetic Coolant-Super Concentrate	1.06	10.3 (conc)	Cutting Cast Iron, Steels, Stainless, Non-Ferrous Metals, Oil Rejecting
Crescent Oil Co.	Syn-Tek			Machining & Grinding
DA Stuart	Drawsol WM Synthetic			Metalforming
Dover Chemical	MAYSYN S-122	1.07	9.4	Grinding & Medium Duty Machining of All Metals & Alloys, for rebranding
	MAYSYN S-168	1.08	8.3	Grinding & Light Duty Machining of Ferrous & Non-Ferrous Metals, for rebranding
	MAYSYN S-174B	1.04	9.5	Grinding & Light Duty Machining of All Metals & Alloys, for rebranding
Dow Chemical	UCON Quenchants			PAG
Etna Products	Masterall Syn 38			Moderate-Duty Low Foaming Machining and Grinding Fluid for Ferrous Metals
	Masterall Syn 42			Heavy-Duty Low Foaming, High Oil Rejection Machining & Grinding Fluid
	Masterall Syn 12			Light-Mod. Duty Surface Grinding Fluid Type Fluid, Extremely Low Foaming
	Masterall B1485			Specially Formulated for Grinding of Cemented Carbide and Ferrous Metals
	Masterdraw B1491			Solution Synthetic for Rolling of Welded-Steel Tube
	Masterdraw B1260GAL			Solution Synthetic for Rolling of Welded-Galvanized Steel Tube
	Masterdraw 1251R			Solution Synthetic for Rolling of Welded-Steel Tube With Varying Wall Thickness
	Masterdraw Syn G			Solution Synthetic for Light-Moderate Duty Stamping & Drawing of Ferrous and Non-Ferrous Metals, and Replacement for Vanishing Oils
	Masterdraw Syn H			Solution Synthetic for Moderate-Heavy-Duty Stamping & Drawing of Ferrous and Non-Ferrous Metals, Containing No Sulfur or Chlorine
	Berufolge 200 CU			Specially Formulated Synthetic Hot Forging Die Lubricant for Ferrous Metals
	Unopol S803U			High Performance Synthetic Wire Drawing Fluid for Intermediate and Fine Drawing of Copper/Copper Alloy Wires
	Masterdraw 1254			Specially Formulated Solution Synthetic for Rolling of Copper & Copper Alloys
	Masterall B1573			High Performance Solution Synthetic Part Cleaning/Degreaser
	Masterall B1577			High Performance Solution Synthetic Parts Cleaning/Degreaser Fluid, 8.5 pH
	Masterall MC			High Performance Solution Synthetic Machine/Sump Cleaner
Eurol (Netherlands)	SSH 15			Machining/Metalworking Copper, Steel, Aluminum Alloys
	SSP 22			Metalworking All Non-“Colored” Metals
	Grinding Fluid RS			Grinding Steel & Cast Iron
Fuchs	Ecocool SYN 902			Mild-Heavy Duty Machining & Grinding, Roll & Tube Forming
GB Lubr. (UK)	GB Kutigrind		9.4 (3%)	Medium to High Performance Grinding a Variety of Ferrous & Non-Ferrous Metals
G&G Oil Indiana	Syn-Cool			Heavy Duty Machining & Grinding
	Syn-Cool 2100			Specifically for Machining of Inconel
	Metagrind			High Speed Grinding
G-C Lubricants	Syn-Draw 2001			Drawing, Forming, Extruding, Bending, Punching, Stamping
Goldenwest	Aqua Syn			Coolant for Electronic & High Vacuum Parts Manufacturing
Goldenwest	Synthetic 5300			
Hangsterfers	Crystal Cut 243			Machining Cast Iron and Carbon Steel
	Crystal Cut 322			Boeing Approved Machining and Grinding
	Crystal Cut 465			General Machining of Aluminum and Ferrous Metals
	CT-11			Light Stamping and Forming of Carbon Steel
	CT-50			Stamping and Forming of Heavy Gauge Material
	R-100			Grinding, Especially Blanchard Grinders and Deburring Tumblers
Harry Miller	Aqualube 2025			Forming, Stamping and Deep Drawing on Ferrous & Non-Ferrous & Stainless
	Aqualube 2028			Forming, Stamping and Deep Drawing on Ferrous & Non-Ferrous & Stainless
	Hamikleer X-231-LF			General Purpose Machining and Grinding for All Metals

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
Harry Miller (cont')	Hamikleer 1975			Demanding Machining and Grinding for All Metals
	Hamikleer 1990			Grinding, Blanchard
	Hamikleer X-231-HWL			Grinding of Ferrous & Non-Ferrous Metals
Hasco/Alaska	Coolcut 300			
Henkel	Multan 3015			Tube and Pipe Stamping, Drawing, General Grinding and Machining; Oil Rejecting
	Multan 3105			Grinding and Machining All Alloys; Suitable for Aluminum, Brass and Copper
	Multan 5500			Machining & Grinding Steel, Cast Iron, Aluminum Alloys, Aviation Alloys
	Multan 8304			Light-Heavy Machining & Grinding of Ferrous and Aluminum Alloys
	Multan 9103			Grinding Steel & Cast Iron, Oil Rejecting; Also Hydroforming Fluid
	Multan F 1009			Light-Hvy Forming, Stamping, Drawing Steel, Stainless, Aluminum, Copper Alloys
	Multan F 2005			Light-Heavy Forming, Stamping, Drawing Steel, Stainless Alloys
	Multan F 5002			Light-Heavy Forming, Stamping, Drawing Steel, Stainless, Aluminum Alloys
	Multan F 580			Forming, Steel, Stainless, Galvanized, Aluminum; Vanishing; Non-Water Soluble
	Multan F 733			Light-Heavy Forming Steel, Stainless Substrates; Pigmented
Multan F 737			Forming, Replacement for Vanishing Oils; Non-VOC Alternative All Metal Alloys	
Multan F 750			Forming of All Metals, Incl. Aluminum & Copper Alloys; Contains EP & Polymer	
Houghton	K-Draw 67 HF			Food Grade Moderate to Heavy Duty Drawing, Stamping, Forming
	Houghto Grind 590			Grinding
	Chemsol GB2534			Metalworking Oil
Idemitsu Lubr America	Daphne Alpha Cool			Heavy Duty Machining/Grinding
	Daphne Aqua Cool			Grinding
Innovative Organics	AmberCut 383B	1.08	8.4	General Machining of Ferrous and Non-Ferrous Metals, EP
	AmberCut 389Q	1.06	7.9	Grinding Ceramics, Gen. Machining of Non-Ferrous, for Thin Film/MR Head Mfg.
	AmberCut 389R	1.06	9.0	Cutting, Slicing, Grinding Ceramics & Gen. Machining of Non-Ferrous Metals
	AmberCut 389T3	1.02	8.5 (conc)	Grinding Ceramics, Gen. Machining of Non-Ferrous, for Thin Film/MR Head Mfg.
	AmberCut 389V	1.02	7.9	Grinding Ceramics, Gen. Machining of Non-Ferrous, for Thin Film/MR Head Mfg.
	AmberCut 415	1.12	9.2	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut 416	1.12	9.2	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut 420A	1.02	10.5	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut 420B	1.02	10.0	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut 420C	1.03	10.5 (3%)	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut 420S	1.03	10.5 (1%)	Lapping of Silicone, Ceramic & Metal Substrates
	AmberCut BL	1.02	10.0 (conc)	Diamond Lapping Slurry
	AmberCut WC650	1.18	7.0	Grinding Ceramic, Machining Reactive Metals, for MR/GMR Head Mfg.
	AmberTap 22			Heavy Duty Tapping of Ferrous and Non-Ferrous Metals
Interlube	Bestcool 208			Heavy Duty Machining
ITW Rocol	Accu-Lube Synthetic			Machining of All Metals, 8.2 cSt @ 40C
	Rustlick Power Saw			Med-Heavy Duty Coolant for Machining, Grinding, Sawing of All Metals
	Rustlick Power Chip 2000			Heavy Duty Coolant for Machining, Grinding, Sawing of All Metals
	Rustlick SN-100A			Med-Heavy Duty Coolant For Use With All Metals
	Rustlick Vytron-N			Coolant For Use on Ferrous Metals Only
	Rustlick Carbide Power Grind			Diamond Wheel Grinding Coolant For All Metals Except Magnesium
	Rustlick G-1066D			For Grinding, Slicing, Dicing of Non-Metallics
Rustlick G-25B			Grinding Fluid For Brass, Bronze, Ferrous Metals; Blanchard Grinding	

	<i>Product/Family Name</i>	<i>Spec. Gravity* pH, 5% sol*</i>		<i>Primary Applications, Remarks</i>
ITW Rocol (cont')	Rustlick G-25J			Surface Grinding; Brass, Bronze, Copper, Ferrous Metals; Blanchard
	Rustlick EDM-500			Electrical Discharge Machining
Kemco Int'l.	CG2510			Cutting & Grinding For Aluminum, Ferrous & Non-Ferrous Metals
	CG2600			Cutting & Grinding For Aluminum, Ferrous & Non-Ferrous Metals
Kendall	Synkool HD	1.05	9.0	Medium-Heavy Duty Machining/Grinding of Ferrous Metals, 0.07% Chl
Liquid-O-Ring	GX842	1.04	9.45	General Purpose Grinding Machineable Alloys & Soft Nonferrous Metal
	GX844	1.05	9.45	Grinding & Turning of All Metals
Master Chemical	Trim HD			General Machining & Grinding of Ferrous Metals, also Nonferrous Metals, EP
	Trim HM			
	Trim Clear			Surface Grinding, Maximum Heat Transfer Operations Ferrous Metals
	Trim Grind WC			Grinding Tungsten Carbide, Other High Cobalt Materials, Tool Steels
	Trim Mist			Spray Mist, Cutter Grinder, Boring and High Speed Face Mills
	Trim Regular			General Machining & Grinding of Ferrous Metals, Particularly Cast Iron
	Trim 229			Grinding Ferrous Metals, Water Jet Cutting Systems
	Trim 9106 CS			Cutting & Grinding Cast Iron, Aluminum and Steels
	Trim C 115			Cutting & Grinding Cast Iron and Steels, and Many Non-Ferrous Metals
	Trim C120 CG		8.7	Carbide Grinding, also Cast Alloys and Tool Steels
	Trim C160ALW			Cutting & Grinding Aluminum Die Cast Wheels
	Trim C170ALW			Cutting & Grinding Aluminum Die Cast Wheels
	Trim C210			Cutting & Grinding Steels, Aluminum and Copper Alloys, EP
	Trim C270			Cutting & Grinding (All Operations) Steels, Cast Iron and Copper Alloys
	Trim C270bd (contains blue dye)			Cutting & Grinding (All Operations) Steels, Cast Iron and Copper Alloys
	Trim C270CG			Cutting & Grinding (All Operations) Steels, Cast Iron and Copper Alloys
	Trim C 275			High Speed Turning & Milling Ferrous Metals, Plus Copper Alloys, EP
	Trim C276			Centerless and Cylindrical Grinding & Single Point Turning, Milling Centers
	Trim C320			Drilling, Tapping, Reaming, Form Grinding Alum, Cast Iron & Alloys
	Trim C350			Machining and Grinding of Aircraft Titanium and Aluminum, Including 7000 Series
Metal Forming Lubr.	SynForge SYN-3000-3005			
Metalworking Lubr.	1100			Grinding, Ferrous Metals
	Metcast SDFG			Quenching
Milacron	Cimcool Cimtech 46C	1.08	9.1	Moderate Duty Grinding of Cemented Carbide & Ferrous Metals
	Cimcool Cimtech 95	1.05	9.0	Light-Moderate Duty Operations on Ferrous Metals
	Cimcool Cimtech 95XL			
	Cimcool Cimtech 100	1.05	9.1	Light-Moderate Duty Grinding of Ferrous Metals
	Cimcool Cimtech 190	1.10	9.1	Light-Moderate Duty Machining/Grinding of Ferrous Metals
	Cimcool Cimtech 200	1.05	9.0	Machining/Grinding of Ferrous Metals
	Cimcool Cimtech 250 with MSL	1.05	9.0	Moderate-Heavy Duty Machining/Grinding of Ferrous Metals
	Cimcool Cimtech 280	1.06	9.0	Moderate-Heavy Duty Machining/Grinding of Ferrous Metals
	Cimcool Cimtech 285	1.03	9.1	Moderate-Heavy Duty Operations on Ferrous Metals
	Cimcool Cimtech 285Z			
	Cimcool Cimtech 290	1.05	8.8	Moderate-Heavy Duty Operations on Ferrous Metals
	Cimcool Cimtech 305	1.06	7.8	Moderate-Heavy Duty Machining/Grinding of Ferrous or Non-Ferrous Metals
	Cimcool Cimtech 305Z			
	Cimcool Cimtech 310Z			
	Cimcool Cimtech 315	1.08	7.9	Moderate-Heavy Duty Machining/Grinding of Ferrous or Non-Ferrous Metals

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
Milacron (cont')	Cimcool Cimtech 320	1.08	7.9	Moderate-Heavy Duty Machining/Grinding of Ferrous or Non-Ferrous Metals
	Cimcool Cimtech 320Z			
	Cimcool Cimtech 400 with MSL			
	Cimcool Cimtech 410	1.07	9.0	Moderate-Heavy Duty Machining/Grinding of Ferrous Metals
	Cimcool Cimtech 410C			
	Cimcool Cimtech 410Z			
	Cimcool Cimtech 420	1.02	9.0	Moderate-Heavy Duty Machining/Grinding of Ferrous , some non-ferrous Metals
	Cimcool Cimtech 495	1.07	8.3	Moderate-Heavy Duty Machining/Grinding of Ferrous Metals, some alum. alloys
	Cimcool Cimtech 495H			
	Cimcool Cimtech 500	1.06	9.0	Moderate-Heavy Duty Machining/Grinding of Ferrous Metals
Cimcool Cimtech 3900	0.95	8.7 (3%)	Moderate-Heavy Duty Machining/Grinding of Non-Ferrous Metals	
Mobil	Mobilcut 311 series			
Monroe Fluid Tech.	Astro-Cut Syn		9.5	Grinding, Turning, Milling Aluminum & Ferrous Metals
Morris (UK)	Metcut Supergrind SW	1.12	9.3	All Surface Grinding Operations
	Metcut Supergrind MP	1.12	9.6 (2%)	Grinding Ferrous & Non-Ferrous Metals
National Starch & Chemical	Syncast 290			Die Cast Lubricant (concentrate) for Aluminum & Magnesium
NewGeneration Tech	NuKut MD 1		9.7	Machining, CNC Lathes, Milling, Drilling, Sawing, Broaching
	NuKut LT 1		10.5	Light Duty Machining & Grinding
	NuKool Mist		10.5	Misting, Light Grinding, Light Machining
	Syn-Tap		9.4	High EP Tapping, Drilling, Forming, Rolling, Punching, Stamping
Paramo/Unipetrol (Czeck)	SK 200		9.4	Grinding Ferrous & Non-Ferrous Metals
	SK 220		9.4	Grinding Ferrous & Non-Ferrous Metals
	SK 300		9.4	Machining and Grinding Ferrous & Non-Ferrous Metals
Petronomics	52208			General Purpose Metalworking Fluid
	55580			Mist Lube
	55605			Sawing Fluid
	55661			Drawing Fluid
	55666			Heavy-Duty Drawing Fluid
	55770			Microemulsion Machining Fluid
	55776			Heavy-Duty Tapping Fluid
	55778			Grinding Fluid
55780			Heavy-Duty Grinding Fluid	
Phillips Polartech (UK)	Synkool HD	1.05	9.0	Medium-Heavy Duty Machining/Grinding of Ferrous Metals, 0.07% Chl
	SynGrind			
	SynCut			
Prista (Bugaria)	Synthilin 5		9.0 (3%)	Grinding to Severe Machining, 5 cSt at 20C
	Synthilin 40		9.0 (3%)	Grinding to Severe Machining, 40 cSt at 20C
	Synthilin 150		9.0 (3%)	Grinding to Severe Machining, 150 cSt at 20C
Rock Valley	Viscool 7000			
Schaeffer Sentinel	Synkool M			Grinding Water Soluble PAG
	CF 50			
	CF 51			
Shell	Fenella DS 2240			Drawing/Metalforming Lubricant
	Fenella DS 2250			Heavy-Duty Drawing Compound for Steel and Stainless Steel

	<i>Product/Family Name</i>	<i>Spec. Gravity* pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
Shell (cont')	Fenella DS 2260		Heavy-Duty Drawing Compound for Steel and Stainless Steel
	Fenella DS 2280	9.6 (conc.)	Punching and Forming Lubricant, High Level of EP
	Metalina Coolant D 200		Surface and cylindrical grinding of cast-iron and ferrous metals
	Metalina BY 2211		Grinding of cemented carbide tools
	Metalina B 3650		Medium and heavy duty cutting on steel alloys
Spartan Chemical Syn. Lubr. Inc.	Metalina B 3850		Heavy-duty cutting on steel and aluminum alloys
	SynSpar GP		Med-Heavy Duty Coolant For Most Metals & Most Operations
	Sawzit		Sawing Lubricoolant
	Universal		
	Grindzal		Grinding
Thermal-Lube (Canada)	Mega Mist		
	Microchip		
	XL-5300		Microemulsion, Machining & Forming Various Metals
	XL-5301		Difficult Forming, Cutting, Drawing, EP, Not for Al
	XL-5306		Machining & Drawing, EP, Non-Ferrous Metals
Total	XL-5309		Machining, Grinding Ferrous & Non-Ferrous Metals, EP, Oil-Rejecting
	Vulsol 2500S (prev. Elfcool S2500)	9.0	Machining & Grinding of Ferrous Metals
	Vulsol 3000S (prev. Elfcool S3000)	9.0	Machining & Grinding of Steel
	Vulsol MS 5000	9.2	Grinding Ferrous Metals
	Vulsol COB 5100	9.1	Grinding Hard Metals
Tower Oil	Vulsol MS 7500	9.1	Machining & Grinding of Steel, Steel Alloys, & Non-Ferrous Metals
	Towerkem W-3201	9.0	Grinding of Ferrous Metals, Cast Iron and Glass
	Towerkem W-3202	9.0	Undyed Version of Towerkem W-3201
	Towerkem W-3222	8.7	Roll Forming, Metal Removal, Grinding, Tube Mill Operations
	Towerkem W-3223	8.7	Undyed Version of Towerkem W-3222
	Towerkem 550	8.7	Machining & Grinding of Ferrous Metals
	Towerdraw TC-92		Tube & Pipe Bending Drawing of SS, Inconel, Aluminum
Trico Mfg.	Tri-Cool TC-1	concentrate 9.4	Mist & Flood Cooling for Machining & Grinding of All Metals
Ultrachem Wallover	Synthogrind Grinding Fluid		PAO, for Hard Surface Grinding
	WS 8000		Light-Medium Duty Grinding of All Metals
	WS 8025		Machining & Grinding of All Metals, Oil-Rejecting
	WS 8035		Medium Duty Machining & Grinding of Ferrous Metals
	WS 8050		Medium-Heavy Duty Coolant, All Metals, Oil-Rejecting
	WS 8063		Machining & Grinding of All Metals, Oil-Rejecting
	WS 8065		Heavy Duty Machining & Grinding of Stainless Steel
	WS 8100		Light-Medium Duty Machining & Grinding of Ferrous Metals
	WS 8150		Med-Heavy Duty Machining & Grinding of Ferrous Metals
	WS 8590		Heavy Duty Machining & Grinding of All Metals
	WS 8595		Med-Severe Duty Machining Incl. Tapping & Broaching
	WS 8596		Machining Aluminum and Alloyed Steels
	WS 9002		Machining & Grinding For Carbide and Ferrous Metals
	West Penn	ProDraw 300	
Emblem Syncut			Med-Heavy Duty Machining & Grinding of All Metals

	<i>Product/Family Name</i>	<i>Spec. Gravity*</i>	<i>pH, 5% sol*</i>	<i>Primary Applications, Remarks</i>
Whitecourt (Canada)	Trusyn 60			Light-Duty Machining, Heavy Duty Grinding of Ferrous Metal
	Trusyn 600			Med-Heavy Duty Machining & Grinding of Ferrous Metals
	Trugrind Carbide			Light-Duty Machining, Heavy Duty Grinding Carbide, Ferrous
	Truslip 27			Abraisive Working of Vitreous Materials, Ceramics
	Pristinalex Synthetic			Electrical Discharge Machining
WS Dodge	Trudraw 7-SYN			Heavy Duty Stamping & Drawing Fluid of All Metals
	Blue Kool 78			Machining & Grinding
Yuma Ind.	Yumate SC-870C			Grinding & Honing
76 Lubricants	Synkool HD	1.05	9.0	Medium-Heavy Duty Machining/Grinding of Ferrous Metals, 0.07% Chl

* mid point of range

Notes, disclaimer, and copyright:

1. The intention of this study was to list only finished synthetic coolants/lubricants made from chemicals, or from Group IV and Group V synthetic base oils.
2. All the above are full synthetic; non are para-synthetic or semi-synthetic.
3. A few of the above listed coolants may no longer be marketed, but were intentionally listed so that the user of these charts could determine a suitable replacement for a recently obsoleted product.
4. All the above are not exactly alike; difference may exist is specific base oil viscosity cuts and/or additive packages used.
5. Disclaimer: every reasonable effort was taken to insure that these charts are as accurate as possible; however, we will not be responsible any liability for any errors or inaccuracies. LubriTec will not be held responsible for any decisions made as a result of the information provided above. These charts should be used only as a guide. Products should be verified with supplier.
6. LubriTec is the owner of copyright, database rights and all intellectual property rights of these charts; they shall not be copied (except for one personal use copy), modified, distributed, re-transmitted in total or any part thereof, without the prior written consent of LubriTec.