



HGL Industrial

Product Data Sheet

Products for Industry, Office & Home

INDUSTRIAL

Unicool Coolants

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Unicool SYN 2140 is a synthetic metalworking fluid designed for grinding and light duty machining of ferrous metals such as cast iron and high alloy steel. This product has very good fines settling characteristics which prevents build up on grinding wheels. This product provides an optimum balance of lubricity and detergency for quality finishes on machined parts. A special corrosion inhibitor package gives excellent protection against rust and corrosion of grey-iron. By controlling concentration between 3% and 6% performance characteristics can optimize.

Unicool 2140 Dilution Chart	Carbon Steels, Cast Iron	High Alloy Steels
Operation		
Milling, Drilling, Turning	4%	5%
Form Milling, Sawing	5%	5-6%
Grinding, I.D., O.D. Centerless	4%	5%

Unicool SS 2634 Dilution Chart	Carbon Steels, Cast Iron	High Alloy Steels	Tool Steels	Alluminum Alloys
Operation				
Milling, Drilling, Turning	4-5%	5-7%	5-7%	8-10%
Tapping, Sawing	4-6%	5-6%	4-5%	10-12%
Broaching, Gun Drilling, Reaming	6-8%	6-8%	6-8%	N/A

Unicool SS 8134 Dilution Chart	Carbon Steels, Cast Iron	High Alloy Steels	Tool Steels	Alluminum Alloys
Operation				
Milling, Drilling, Turning	4-5%	5-7%	5-7%	8-10%
Tapping, Sawing	4-6%	5-6%	4-5%	10-12%
Broaching, Gun Drilling, Reaming	6-8%	6-8%	6-8%	N/A

Unicool SO 6234 Dilution Chart	Carbon Steels, Cast Iron	High Alloy Steels	Tool Steels	Alluminum Alloys
Operation				
Milling, Drilling, Turning	4-5%	5-7%	5-7%	8-10%
Tapping, Sawing	4-6%	5-6%	4-5%	10-12%
Broaching, Gun Drilling, Reaming	6-8%	6-8%	6-8%	N/A

Unicool SS 2634 is a moderate duty, semi-synthetic metalworking fluid that uses a revolutionary new emulsion chemistry to achieve extended sump life, superior lubricity, increased corrosion protection, reduced mist and VOC's in comparison to traditional chemistry.

Unicool SS 8134 is a moderate duty, semi-synthetic compound for general purpose machining of ferrous and non-ferrous alloys. The product provides excellent lubricity, part finish and corrosion protection. Machinery is kept clean and rust free. Lubricity additives prevent galling and produce a fine bright finish on the machined part. **Unicool SS 8134** has extended sump life and hard water-resistant has compared typical soluble oil products

Unicool SO 6234 is a heavy duty, water soluble compound for general purpose machining of ferrous and non-ferrous alloys. The product provides excellent lubricity, part finish and corrosion protection. Lubricity additives prevent galling and produce a fine bright finish on the machined part. **Unicool SO 6234** has extended sump life and hard water-resistant has compared typical soluble oil products.

Unicool Physical Characteristics

	2140	2634	8134	6234
Fluid Type	Synthetic	Semi Synthetic Emulsion	Semi Synthetic	Soluable Oil
Specific Gravity	1.06	0.97	0.99	0.97
Appearance	Clear Yellow liquid	White Emulsion Off white	Clear amber liquid	Clear amber liquid
pH Concentrate	9.5	9.5	9.4	9.5
Refractometer Factor	3.2	2.06	1.33	1.0
Odor	Mild	Mild	Mild	Mild

Available packages: 1 gallon bottle-4/case
 5 gallon pail
 55 gallon drum
 275 gallon bulk tank

