

Water-Soluble Oils

PRODUCT SELECTION GUIDE



Product	ULTRACUT® Aero	ULTRACUT® Pro	ULTRACUT® Pro CF	ULTRACUT® Green	ULTRACUT® Green CF	ULTRACUT® 255R	ULTRACUT® 250R	WS-5050	WS-1000	WS-1000 CF	WS-500A	WS-11
Cast Iron	●	●	●	●	●	●	●	●	●	●	●	●
Carbon & Tool Steel	●	●	●	●	●	●	●	●	●	●	●	●
Stainless Steel	●	●	●	●	●	●	●	●	●	●	●	●
Titanium & Nickel	●	●	●	●	●	●	●	●	●	●	●	●
Aluminum	●	●	●	●	●	●	●	●	●	●	●	●
Brass, Bronze & Copper	●	●	●	●	●	●	●	●	●	●	●	●
Magnesium	●	●	●	●	●	●	●	●	●	●	●	●
Hard Water Stability	H	H	H	H	H	H	H	M	H	H	M	M
Defoaming Ability	H	H	H	H	H	H	H	M	H	H	M	L
Lubricity	H	H	H	H	H	H	H	H	H	H	M	M
Rust Protection	H	H	H	H	H	H	H	H	H	H	H	M
Biostability	H	H	H	H	H	H-M	H-M	M	M	M	M	M
EP Additives	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Chlorine		4.7%		3.0%		5.0%		5.0%	4.1%			
pH at 10%	9.3	9.9	9.7	9.7	9.7	9.5	9.5	9.5	9.4	9.4	9.2	9.0
Concentrate Color	Light brown	Light brown	Light brown	Light brown	Light brown	Light brown	Light brown	Blue	Light brown	Light brown	Dark brown	Dark brown
Diluted Color	Milky white	Milky white	Milky white	Milky white	Milky white	Milky white	Milky white	Milky blue	Milky white	Milky white	Milky white	Milky white
Recommended Concentrations*	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%	3-10%

- Best
- Better
- Limited Use
- Not Recommended

H = High
M = Medium
L = Low

* Dilution ratios are accepted industry standards. Individual applications will vary.
Rustlick is a registered trademark of ITW ROCOL North America.
For additional information please visit www.itwrocolna.com.

Semi-Synthetic Coolants

PRODUCT SELECTION GUIDE



Product	ULTRACUT® 380R	ULTRACUT® 375R	ULTRACUT® 370R	SS-150	SS-405L
Cast Iron	●	●	●	●	●
Carbon & Tool Steel	●	●	●	●	●
Stainless Steel	●	●	●	●	●
Titanium & Nickel	●	●	●	●	●
Aluminum	●	●	●	●	●
Brass, Bronze & Copper	●	●	●	●	●
Magnesium	●	●	●	●	●
Hard Water Stability	H	M	H	H	M
Defoaming Ability	H	H	H	H	M
Rust Protection	H	H	H	H	H
Biostability	H	M	M	H	M
EP Additives	✓	✓			✓
Chlorine		4.0%			
pH at 10%	9.9	9.8	9.8	9.9	9.8
Concentrate Color	Translucent blue	Amber	Amber	Translucent blue	Amber
Diluted Color	Translucent light blue	Translucent	Translucent	Translucent light blue	Translucent
Recommended Concentrations*	3-10%	3-10%	3-10%	3-10%	3-10%

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Synthetic Coolants

PRODUCT SELECTION GUIDE



Product	PowerChip 2000	SN-100A	Vytron-N	PowerSaw
Cast Iron	●	●	●	●
Carbon & Tool Steel	●	●	●	●
Stainless Steel	●	●	●	●
Titanium & Nickel	●	●	●	●
Aluminum	●	●	●	●
Brass, Bronze & Copper	●	●	●	●
Magnesium	●	●	●	●
Hard Water Stability	H	H	H	H
Defoaming Ability	H	H	H	H
Rust Protection	H	M	M	H
Biostability	H	H	H	H
EP Additives	✓			✓
Chlorine				
pH at 10%	9.8	9.0	9.8	9.0
Concentrate Color	Dark blue	Clear blue	Clear blue	Dark blue
Diluted Color	Bright blue	Clear blue	Clear blue	Bright blue
Recommended Concentrations*	3-10%	3-10%	3-10%	3-10%

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Grinding Coolants

PRODUCT SELECTION GUIDE



Product	G-1066L	G-1066D	G-25J	G-25B	Carbide PowerGrind
Type of Grinding	Wheel	Diamond Wheel	Blanchard & Surface	Blanchard & Surface	Carbide
Cast Iron	●	●	●	●	●
Carbon & Tool Steel	●	●	●	●	●
Stainless Steel	●	●	●	●	●
Titanium & Nickel	●	●	●	●	●
Aluminum	●	●	●	●	●
Brass, Bronze & Copper	●	●	●	●	●
Tungsten Carbide	●	●	●	●	●
Hard Water Stability	H	H	H	H	H
Defoaming Ability	H	H	H	H	H
Rust Protection	H	M	H	L	L (ferrous metals)
Biostability	H	H	H	H	H
EP Additives					
Chlorine					
pH at 10%	9.3	9.9	9.8	9.7	9.0-9.6
Concentrate Color	Yellow/orange	Yellow/orange	Dark green	Yellow/orange	Opaque green
Diluted Color	Yellow	Yellow	Yellow/green	Bright yellow	Clear green
Recommended Concentrations*	3-7%	3-20%	3-5%	4%	5%

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