

### ULTRA-ICE SERIES SYNTHETIC REFRIGERATION LUBRICANTS

#### Applications:

The Ultra-Ice Series are fully synthetic refrigeration lubricants formulated with premium polyalkylene glycol (PAG) base oils. The Ultra-Ice Series are designed for a wide variety of automotive aftermarket air conditioning applications with R-134A. It is important in automotive air conditioning systems that the lubricant has adequate solubility in the refrigerant (R-134A). PAG lubricants were chosen for use in all new R-134A systems and are further recommended by all major car manufacturers for use when retrofitting R-12 vehicles with R-134A. Our state-of-the-art additive technology allows us to blend premium quality PAG refrigeration oils with outstanding solubility and stability.

Ultra-Ice 100 SS is formulated to provide enhanced seal swell performance.

#### Typical Industrial Applications:

- Automotive Air Conditioning Applications

#### Performance Benefits:

- Extremely low pour points
- High viscosity index
- Low evaporation rates
- Excellent anti-wear properties
- Good rubber compatibility
- Reduced sludge and deposit formation
- Exceptional oxidative and thermal stability

TYPICAL PROPERTIES	TEST METHOD	Ultra-Ice 46	Ultra-Ice 100	Ultra-Ice 150	Ultra-Ice 100 SS
ISO Grade	ASTM D2422	46	100	150	100
Viscosity @ 40°C,cSt	ASTM D445	47	100	154	97
Viscosity @ 100°C,cSt	ASTM D445	9.3	17.9	26.3	18.6
Viscosity Index	ASTM D2270	186	198	208	213
Flash Point, °C/°F	ASTM D92	216/420	236/457	239/460	236/457
Pour Point, °C/°F	ASTM D97	-42/-44	-45/-49	-40/-40	-45/-49
FZG, load stage	ASTM D5182	>12	>12	>12	>12
Copper Corrosion	ASTM D130	1b	1b	1b	1b
Turbine Oil Rust Test	ASTM D665	Pass	Pass	Pass	Pass
Specific Gravity	ASTM D1298	0.99	0.98	0.99	0.98

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#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



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