

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



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