

November 18, 2008

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# Product Data Sheet

NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of November 18, 2008.

## SYNTHETIC REFRIGERATION COMPRESSOR

### R SERIES

*Summit R Series synthetic hydrocarbon refrigeration lubricants are designed to function under severe service conditions. These fluids have a very high viscosity index, contain no paraffin and are compatible with various fluorinated refrigerants, ammonia, methyl chloride and carbon dioxide. The **Summit R Series** is completely miscible with petroleum-based fluids.*

*These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H-1) guidelines (lubricants with incidental food contact). Summit R Series lubricants are Kosher/Halal certified and pending CFIA approval. Summit is an ISO 21469 certified facility.*

### Physical Properties

PRODUCTS	R-100	R-150	R-200	R-300
ISO Grade	32	46	68	100
Specific Gravity	0.8274	0.8323	0.8357	0.8386
Viscosity				
@ 40°C, cSt	31.0	45.8	63.3	95
@ 100°C, cSt	5.9	7.80	10.0	13.9
Viscosity Index	135	136	143	149
Pour Point, °F (°C)	-87 (-66)	-65 (-54)	-65 (-54)	-60 (-51)
Flash Point, °F (°C)	485 (252)	510 (266)	525 (274)	540 (282)
Fire Point, °F (°C)	520 (271)	530 (277)	540 (282)	555 (291)
NSF Registered	H1	H1	H1	H1
ISO 21469	Yes	Yes	Yes	Yes
Kosher	Yes	Yes	Yes	Yes
Halal	Yes	Yes	Yes	Yes
CFIA	Pending	Pending	Pending	Pending

**R-100, R150 & R200** are designed to operate in rotary compressors

**R-300** is designed to operate in reciprocating compressors

**Shelf Life:** Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.

