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P.O. Box 131359 • Tyler, CR 2120, Texas 75713, Phone 903.534.8021 • Fax 903.581.4376

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 August 14, 2007.

SYNTHETIC REFRIGERATION COMPRESSOR OIL

R717 PLUS

SUMMIT R717 PLUS is a synthetic Alkyl-Benzene (AB) blend designed to function under the stringent requirements of R717 (ammonia) closed loop DX (Direct Expansion) refrigeration systems and HCFC-Hydro-Chlorofluorocarbons chiller systems using R22. Besides improved system efficiency and higher productivity, the performance advantages of **SUMMIT R717 PLUS** vs naphthenic mineral oils and other Alkyl-Benzene formulations include: (1) Partial miscibility and solubility with ammonia & R22 for improved lubrication of valves and other components, less corrosion and improved oil return to the compressor; (2) Improved high temperature lubrication of reciprocating compressors due to a higher VI and better wear protection than hydrotreated oils (3) Superior system cleanliness; (4) Superior chemical and thermal stability; (5) Lower foaming tendency; and (6) Extended oil drain capability. **SUMMIT R717 PLUS** is well-suited for both rotary screw and reciprocating compressors in ammonia & R22 DX or indirect expansion (chiller) service. It is guaranteed to function with evaporators operating down to **-40°F (-40°C)**. **SUMMIT R717 PLUS** is compatible with all types of seals and O-rings used in ammonia compressors including Neoprene, Buna-N and NBR. **SUMMIT R717 PLUS** is also compatible with naphthenic oils, PAO and other AB synthetic oils in ammonia service.

Physical Properties

PRODUCT	R717 PLUS
ISO Viscosity Grade	68
Viscosity @ 40°C, cSt	72.92
Viscosity @ 100°F, SUS	8.26
Viscosity Index	76
Specific Gravity, 60°F	0.87
Pour Point, °F (°C)	-43 (-42)
Flash Point, °F (°C)	425 (218)