

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..



PUMP SEAL OIL

PSO-LT & PSO-M

Summit PSO-LT is formulated to meet the strictest ammonia transfer pump seal lubrication requirements for all pumping temperatures <32°F and 32°F & higher. It is a 100 % PAO-Polyalphaolefin synthetic sulfur-free pump seal oil that is registered H1 as an NSF food grade lubricant. **Summit PSO-LT** optimizes low solubility and very low miscibility with R717-anhydrous ammonia along with excellent water separation (demulsibility) properties, complete inertness (low reactivity) in the presence of ammonia and excellent protection against rust, oxidation, corrosion and deposit formation. **Summit PSO-M** is an alternative recommendation where low pumping temperatures are not required. **Summit PSO-LT and PSO-M** are compatible with naphthenic oils, as well as other PAO & AB synthetic oils, thus eliminating the need for system flushes or complicated conversions.

Physical Properties

PRODUCT		PSO-LT	PSO-M
Viscosity			
@ 40°C, cSt	ASTM D445	16.9	22.87
@ 100°C, cSt	ASTM D445	3.9	4.5
Viscosity Index	ASTM D2270	127	109
Specific Gravity	ASTM D1298	0.820	0.8537
Pour Point, °F (°C)	ASTM D97	-100(-73)	-51(-46)
Flash Point, °F (°C)	ASTM D92	425(218)	425(218)
Copper Corrosion	ASTM D130	1A	1A
NSF Registered		H1	H2
Kosher Approved		Yes	-
Emulsion Tendency, 10 mins.		40/40/0	40/40/0