

## ULTRACHEM RF11 and RF11ST

### PAO REFRIGERATION LUBRICANTS

#### Applications:

These premium synthetic lubricants are custom blended with additives for oxidation inhibition, corrosion protection, foaming, and antiwear. Ultrachem RF11 oil is highly refined to be totally wax free with an extremely low pour point which makes it especially suited for ammonia, low temperature refrigeration applications. RF11 oil does not require warming of the system low side for oil return above -80°F. Ultrachem RF11 oil's high thermal stability resists breakdown and extends service intervals. Recommended for evaporator temperatures of -80°F and above. Ultrachem RF11 is registered as an H1 lubricant suitable for incidental contact in and around food processing areas. These oils are consistent with Frick specifications.

Ultrachem RF11ST is a custom blended polyalphaolefin synthetic hydrocarbon fluid. It is similar to Ultrachem RF11 but with additional seal treating properties. Ultrachem RF11ST is blended to condition O-rings in ammonia systems transitioning from naphthenic oils to higher quality oils such as Ultrachem RF3, RF9, and RF11. This product is also compatible with mineral oils and equipment designed for mineral oils. Ultrachem RF11 helps extend the life of elastomers and reduce leaks.

#### Typical Industrial Applications:

- Low Temperature Ammonia Refrigeration Systems
- R-717
- Cold Storage Facilities
- Ice Making Machines

TYPICAL PROPERTIES	TEST METHOD	Ultrachem RF11	Ultrachem RF11ST
Viscosity @ 40°C,cSt	ASTM D445	46	46
Viscosity @ 100°C,cSt	ASTM D445	7.9	7.9
Viscosity, SUS @ 100°F		214	214
Flash Point, °C/°F	ASTM D92	252/486	252/486
Pour Point, °C/°F	ASTM D97	-63/-81	-63/-81
Service Temperature. °F		350	350
Specific Gravity	ASTM D1298	0.83	0.83
Recommended Applications			
Refrigerant		R-717	R-717
Suction Temperature °F		-80°+	-80°+

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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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